

210

215

220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1785

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1785

Gln Val Gln Leu Gln Gln Ser Gly Pro Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Leu Ser His Tyr
 20 25 30

Ala Leu His Trp Val Arg Gln Ala Pro Gly Gln Arg Pro Glu Trp Met
 35 40 45

Gly Thr Ile Asn Thr Gly Asn Gly Asp Thr Lys Tyr Ser Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Ile Thr Arg Asp Thr Pro Ala Ser Thr Val Asn
 65 70 75 80

Met Glu Leu Ser Thr Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Gly Gly Tyr His Asp Thr Leu Thr Ser Tyr Asn Tyr Asn Trp Phe
 100 105 110

Asp Pro Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr
 130 135 140

Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr
 145 150 155 160

Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Thr Asn Trp Phe Gln Gln
 165 170 175

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Lys⁻ Pro Gly Gln Ala Pro Leu Leu Val Val Tyr Ala Lys Asn Lys Arg
 180 185 190

Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr
 195 200 205

Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr
 210 215 220

Tyr Cys His Ser Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly
 225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly
 245

<210> 1786

<211> 255

<212> PRT

<213> Homo sapiens

<400> 1786

Glu Val Gln Leu Val Gln Ser Gly Ser Glu Val Lys Lys Pro Gly Ser
 1 5 10 15

Ser Val Thr Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Gly Thr Tyr
 20 25 30

Gly Val Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Ser Pro His His Gly Lys Thr Asn Tyr Ala Gln Lys Leu
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Ala Gln Met Asp Ser Glu Tyr Tyr Asp Leu Leu Thr Gly Ile
 100 105 110

Asn Val Gly Pro Tyr Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Met Val
 115 120 125

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
 130 135 140

Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu
 145 150 155 160

Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr
 165 170 175

Tyr Thr Asn Trp Phe Gln Gln Lys Pro Gly Gln Ala Pro Leu Leu Val
 180 185 190

Val Tyr Ala Lys Asn Lys Arg Pro Ser Gly Ile Pro Gly Arg Phe Ser
 195 200 205

Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln
 210 215 220

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly
 225 230 235 240

Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250 255

<210> 1787

<211> 252

<212> PRT

<213> Homo sapiens

<400> 1787

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr
 20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met
 35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe
 50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys
85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe
100 105 110

Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val
130 135 140

Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr
145 150 155 160

Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val
165 170 175

Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr
180 185 190

Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser
195 200 205

Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu
210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg
225 230 235 240

Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
245 250

<210> 1788

<211> 241

<212> PRT

<213> Homo sapiens

<400> 1788

Gln Val Gln Leu Gln Gln Ser Gly Pro Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Asn Tyr
20 25 30

Ala Phe Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met

		35				40							45				
Gly	Gly	Ile	Ile	Pro	Ile	Phe	Gly	Thr	Ala	Asn	Tyr	Ala	Gln	Lys	Leu		
	50					55					60						
Gln	Gly	Arg	Val	Thr	Ile	Thr	Ala	Asp	Glu	Leu	Thr	Arg	Thr	Val	Tyr		
65					70					75						80	
Met	Asp	Leu	Gly	Ser	Leu	Arg	Ser	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys		
				85					90					95			
Ala	Thr	Gly	Met	Gly	Asp	His	Tyr	Met	Asp	Val	Trp	Gly	Arg	Gly	Thr		
			100					105					110				
Leu	Val	Thr	Val	Ser	Ser	Gly	Gly	Gly	Gly	Ser	Gly	Gly	Gly	Gly	Ser		
		115					120					125					
Gly	Gly	Gly	Gly	Ser	Ser	Glu	Leu	Thr	Gln	Asp	Pro	Ala	Val	Ser	Val		
	130					135					140						
Ala	Leu	Gly	Gln	Thr	Val	Arg	Ile	Thr	Cys	Gln	Gly	Asp	Ser	Leu	Arg		
145					150					155					160		
Ser	Tyr	Tyr	Thr	Asn	Trp	Phe	Gln	Gln	Lys	Pro	Gly	Gln	Ala	Pro	Leu		
				165					170					175			
Leu	Val	Val	Tyr	Ala	Lys	Asn	Lys	Arg	Pro	Ser	Gly	Ile	Pro	Asp	Arg		
			180					185					190				
Phe	Ser	Gly	Ser	Ser	Ser	Gly	Asn	Thr	Ala	Ser	Leu	Thr	Ile	Thr	Gly		
		195					200					205					
Ala	Gln	Ala	Glu	Asp	Glu	Ala	Asp	Tyr	Tyr	Cys	His	Ser	Arg	Asp	Ser		
	210					215					220						
Ser	Gly	Asn	His	Val	Leu	Phe	Gly	Gly	Gly	Thr	Lys	Leu	Thr	Val	Leu		
225					230					235					240		

Gly

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<210> 1789
<211> 252
<212> PRT
<213> Homo sapiens
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2130

<400> 1789

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Asn Ser
 20 25 30

Pro Ile Asn Trp Leu Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Ser Ile Ile Pro Ser Phe Gly Thr Ala Asn Tyr Ala Gln Arg Phe
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala His
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
 85 90 95

Ala Arg Glu Met Gly Tyr Asp Ile Leu Thr Gly Tyr Tyr Leu Asn Tyr
 100 105 110

Met Asp Val Trp Gly Lys Gly Thr Thr Val Thr Val Ser Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val
 130 135 140

Leu Thr Gln Pro Pro Ser Val Ser Gly Ala Pro Gly Gln Thr Val Thr
 145 150 155 160

Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val
 165 170 175

Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr
 180 185 190

Glu Gly Ser Lys Gln Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser
 195 200 205

Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu
 210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg

240

Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr
 195 200 205

Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr
 210 215 220

Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly
 225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly
 245

<210> 1791

<211> 256

<212> PRT

<213> Homo sapiens

<400> 1791

Glu Val Gln Leu Val Gln Ser Gly Gly Val Val Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Asp
 20 25 30

Trp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Gly Arg Ile Lys Ser Lys Thr Asp Gly Gly Thr Thr Asp Tyr Ala Ala
 50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
 65 70 75 80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr
 85 90 95

Tyr Cys Thr Thr Phe Asn Pro Thr Tyr Asp Ile Leu Thr Gly Tyr Tyr
 100 105 110

Ile Gly Gly Tyr Phe Gln His Trp Gly Arg Gly Thr Leu Val Thr Val
 115 120 125

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 130 135 140

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Ser Pro Gly
145 150 155 160

Gln Ser Val Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly
165 170 175

Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys
180 185 190

Phe Met Ile Tyr Asp Val Ser Lys Arg Pro Ser Gly Val Ser Asn Arg
195 200 205

Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly
210 215 220

Val Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Ser
225 230 235 240

Ala Ser Thr Val Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
245 250 255

<210> 1792

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1792

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Arg Ala Ser Gly Tyr Thr Phe Thr Lys Tyr
20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met
35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe
50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys
85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe
 100 105 110

Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu
 130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile
 145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser
 165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu
 180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys
 195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp
 210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1793

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1793

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr
 20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met
 35 40 45

Gly Trp Val Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe

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50 55 60
 Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr
 65 70 75 80
 Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys
 85 90 95
 Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe
 100 105 110
 Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
 115 120 125
 Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu
 130 135 140
 Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile
 145 150 155 160
 Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser
 165 170 175
 Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Glu Leu Met Ile Tyr Glu
 180 185 190
 Gly Ser Lys Arg Pro Ser Gly Val Pro Asn Arg Phe Ser Gly Ser Lys
 195 200 205
 Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp
 210 215 220
 Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val
 225 230 235 240
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1794

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1794

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Asn Tyr
 20 25 30

Ala Phe Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Leu
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Leu Thr Arg Thr Val Tyr
 65 70 75 80

Met Asp Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Thr Gly Met Gly Asp His Tyr Gly Met Asp Val Trp Gly Arg Gly
 100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala
 130 135 140

Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser
 145 150 155 160

Ser Asn Ile Gly Ser Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly
 165 170 175

Ala Ala Pro Gln Leu Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly
 180 185 190

Ile Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu
 195 200 205

Val Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala
 210 215 220

Ser Trp Asp Asp Gly Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys
 225 230 235 240

Leu Thr Val Leu Gly

245

<210> 1795

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1795

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Ala Lys Tyr
 20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met
 35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe
 50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys
 85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe
 100 105 110

Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu
 130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile
 145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser
 165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu
 180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys
 195 200 205

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Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp
 210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1796

<211> 254

<212> PRT

<213> Homo sapiens

<400> 1796

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Asn Tyr
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Val Ile Ser Tyr Asp Gly Arg Ile Lys Asn Tyr Gly Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Gly Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Glu Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Thr Glu Val Arg Asn Tyr Asp Leu Leu Thr Arg Ser Tyr Leu Ala
 100 105 110

Gly Pro Leu Asp Asn Trp Gly Arg Gly Thr Met Val Thr Val Ser Ser
 115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln
 130 135 140

Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser
 145 150 155 160

Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn
165 170 175

Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met
180 185 190

Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser
195 200 205

Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln
210 215 220

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser
225 230 235 240

Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
245 250

<210> 1797

<211> 250

<212> PRT

<213> Homo sapiens

<400> 1797

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Phe Thr Phe Gly Asp Tyr
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Gly Phe Ile Arg Ser Lys Ala Tyr Gly Gly Thr Thr Glu Tyr Ala Ala
50 55 60

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ile
65 70 75 80

Ala Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr
85 90 95

Tyr Cys Thr Thr Gln Tyr Tyr Asp Ile Leu Thr Gly Tyr Glu Leu Asp
100 105 110

Ile Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly
 115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr
 130 135 140

Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser
 145 150 155 160

Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp
 165 170 175

Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly
 180 185 190

Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys Ser
 195 200 205

Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu
 210 215 220

Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe
 225 230 235 240

Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1798

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1798

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Thr Val Lys Val Ser Cys Lys Val Ser Gly Phe Thr Phe Thr Lys Tyr
 20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met
 35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe
 50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr

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65						70						75					80
Met	Glu	Leu	Ser	Ser	Leu	Gly	Ser	Glu	Asp	Thr	Ala	Leu	Tyr	Tyr	Cys		
				85					90						95		
Ala	Arg	Ala	Thr	Tyr	Asp	Pro	Leu	Thr	Gly	Tyr	Ser	Phe	Asp	Gly	Phe		
			100					105					110				
Asp	Ile	Trp	Gly	Gln	Gly	Thr	Met	Val	Thr	Val	Ser	Ser	Gly	Gly	Gly		
		115					120					125					
Gly	Ser	Gly	Gly	Gly	Gly	Ser	Gly	Gly	Gly	Gly	Ser	Gln	Ser	Val	Leu		
	130					135						140					
Thr	Gln	Pro	Ala	Ser	Val	Ser	Gly	Ser	Pro	Gly	Gln	Ser	Ile	Thr	Ile		
145					150					155					160		
Ser	Cys	Thr	Gly	Thr	Ser	Ser	Asp	Val	Gly	Gly	Tyr	Asn	Tyr	Val	Ser		
				165					170					175			
Trp	Tyr	Gln	Gln	His	Pro	Gly	Lys	Ala	Pro	Lys	Leu	Met	Ile	Tyr	Glu		
			180					185					190				
Gly	Ser	Lys	Arg	Pro	Ser	Gly	Val	Ser	Asn	Arg	Phe	Ser	Gly	Ser	Lys		
		195					200					205					
Ser	Gly	Asn	Thr	Ala	Ser	Leu	Thr	Ile	Ser	Gly	Leu	Gln	Ala	Glu	Asp		
	210					215					220						
Glu	Ala	Asp	Tyr	Tyr	Cys	Ser	Ser	Tyr	Thr	Thr	Arg	Ser	Thr	Arg	Val		
225					230					235					240		
Phe	Gly	Gly	Gly	Thr	Lys	Leu	Thr	Val	Leu	Gly							
				245					250								
<210> 1799																	
<211> 258																	
<212> PRT																	
<213> Homo sapiens																	
<400> 1799																	
Gln	Val	Gln	Leu	Gln	Gln	Ser	Gly	Pro	Gly	Leu	Val	Lys	Pro	Ser	Gln		
1				5					10					15			
Thr	Leu	Ser	Leu	Ser	Cys	Ala	Ile	Ser	Gly	Asp	Ser	Val	Ser	Ser	Asn		
			20					25					30				

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Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
 35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Tyr Asn Asp Tyr Ala
 50 55 60

Val Ser Val Lys Ser Arg Met Thr Ile Asn Pro Asp Thr Ser Arg Asn
 65 70 75 80

Gln Phe Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
 85 90 95

Tyr Tyr Cys Ala Arg Glu Gly Ala His Tyr Asp Ile Leu Thr Gly His
 100 105 110

Asn Tyr Tyr His Tyr Gly Met Asp Val Trp Gly Lys Gly Thr Met Val
 115 120 125

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
 130 135 140

Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser
 145 150 155 160

Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val
 165 170 175

Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala
 180 185 190

Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser
 195 200 205

Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile
 210 215 220

Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr
 225 230 235 240

Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val
 245 250 255

Leu Gly

<210> 1800

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1800

Gly Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr
 20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met
 35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe
 50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys
 85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe
 100 105 110

Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu
 130 135 140

Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile
 145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser
 165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu
 180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys
 195 200 205

2144

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp
 210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1801

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1801

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr
 20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met
 35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe
 50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys
 85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Leu Asp Gly Phe
 100 105 110

Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu
 130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile
 145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser
165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu
180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys
195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp
210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val
225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
245 250

<210> 1802

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1802

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Ser Tyr
20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Lys Ile Asn Pro Ser Gly Thr Ser Val Thr Tyr Ala Gln Arg Phe
50 55 60

Gln Gly Arg Val Thr Leu Thr Arg Asp Thr Ser Thr Ser Thr Asn Tyr
65 70 75 80

Met Glu Val Asn Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ser Gln His Tyr Asp Ile Leu Thr Gly Tyr Ser Gln Glu Pro Phe
100 105 110

Asp Ile Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu
130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile
145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser
165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu
180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys
195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp
210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val
225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
245 250

<210> 1803

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1803

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr
20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met
35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe
50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr

65						70						75					80
Met	Glu	Leu	Ser	Ser 85	Leu	Gly	Ser	Glu	Asp 90	Thr	Ala	Leu	Tyr	Tyr 95	Cys		
Ala	Arg	Ala	Thr 100	Tyr	Asp	Pro	Leu	Thr 105	Gly	Tyr	Ser	Phe	Asp 110	Gly	Phe		
Asp	Ile	Trp 115	Gly	Gln	Gly	Thr	Leu 120	Val	Thr	Val	Ser	Ser 125	Gly	Gly	Gly		
Gly	Ser 130	Gly	Gly	Gly	Gly	Ser 135	Gly	Gly	Gly	Gly	Ser	Gln	Ser	Ala	Leu		
Thr 145	Gln	Pro	Ala	Ser	Val 150	Ser	Gly	Ser	Pro	Gly 155	Gln	Ser	Ile	Thr	Ile 160		
Ser	Cys	Thr	Gly	Thr 165	Ser	Ser	Asp	Val	Gly 170	Gly	Tyr	Asn	Tyr	Val 175	Ser		
Trp	Tyr	Gln	Gln 180	His	Pro	Gly	Lys	Ala 185	Pro	Lys	Leu	Met	Ile 190	Tyr	Glu		
Gly	Ser	Lys 195	Arg	Pro	Ser	Gly	Val 200	Ser	Asn	Arg	Phe	Ser 205	Gly	Ser	Lys		
Ser 210	Gly	Asn	Thr	Ala	Ser	Leu 215	Thr	Ile	Ser	Gly	Leu 220	Gln	Ala	Glu	Asp		
Glu 225	Ala	Asp	Tyr	Tyr	Cys 230	Ser	Ser	Tyr	Thr	Thr 235	Arg	Ser	Thr	Arg	Val 240		
Phe	Gly	Gly	Gly	Thr 245	Lys	Leu	Thr	Val	Leu 250	Gly							

<210> 1804

<211> 250

<212> PRT

<213> Homo sapiens

<400> 1804

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
20 25 30

Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

 Gly Arg Ile Ile Pro Ile Val Asn Met Ala Asn Tyr Ala Gln Lys Phe
 50 55 60

 Gln Gly Arg Val Thr Leu Thr Ala Asp Lys Ser Thr Gly Thr Val Tyr
 65 70 75 80

 Met Glu Leu Thr Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

 Ala Arg Glu Asn Tyr Asp Phe Leu Thr Gly Tyr Tyr Gly Ala Phe Asp
 100 105 110

 Ile Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly
 115 120 125

 Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr
 130 135 140

 Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser
 145 150 155 160

 Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp
 165 170 175

 Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly
 180 185 190

 Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys Ser
 195 200 205

 Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu
 210 215 220

 Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe
 225 230 235 240

 Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1805

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1805

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Val Ser Gly Tyr Ser Leu Thr Lys Tyr
 20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met
 35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe
 50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys
 85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe
 100 105 110

Asp Ile Trp Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu
 130 135 140

Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile
 145 150 155 160

Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Thr Val Asn Trp
 165 170 175

Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu Leu Ile Tyr Asn Asn
 180 185 190

Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser
 195 200 205

Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu
 210 215 220

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Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His Val Val
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1806

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1806

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ile Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys
 85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe
 100 105 110

Asp Ile Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu
 130 135 140

Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile
 145 150 155 160

Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Thr Val Asn Trp
 165 170 175

Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu Leu Ile Tyr Asn Asn
180 185 190

Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Lys Ser
195 200 205

Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu Gln Ser Glu Asp Glu
210 215 220

Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser Leu Asn Gly Arg Val
225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
245 250

<210> 1807

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1807

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Gln Arg Leu Glu Trp Met
35 40 45

Gly Trp Ile Asn Ala Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe
50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys
85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe
100 105 110

Asp Ile Trp Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu
130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile
145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser
165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu
180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys
195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp
210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val
225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
245 250

<210> 1808

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1808

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr
20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met
35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe
50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys

85 90 95
 Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe
 100 105 110
 Asp Ile Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
 115 120 125
 Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu
 130 135 140
 Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile
 145 150 155 160
 Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser
 165 170 175
 Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu
 180 185 190
 Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys
 195 200 205
 Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp
 210 215 220
 Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val
 225 230 235 240
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250
 <210> 1809
 <211> 251
 <212> PRT
 <213> Homo sapiens
 <400> 1809
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Gly Ser His
 20 25 30
 Thr Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

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Gly Gly Ile Ile Pro Lys Tyr Ser Ala Pro Lys Tyr Ala Gln Glu Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Gly Glu Tyr Asp Ile Leu Thr Gly Tyr Pro Tyr Trp Tyr Phe
 100 105 110

Asp Leu Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu
 130 135 140

Thr Gln Pro Pro Ser Val Ser Ala Ala Pro Gly Gln Lys Val Thr Ile
 145 150 155 160

Ser Cys Ser Gly Ser Thr Ser Asn Ile Gly Asn Asn Tyr Val Ser Trp
 165 170 175

Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Asp Val
 180 185 190

Ser Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser
 195 200 205

Gly Asn Ser Ala Ser Leu Asp Ile Ser Gly Leu Gln Ser Glu Asp Glu
 210 215 220

Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu Ser Glu Phe Leu
 225 230 235 240

Phe Gly Thr Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1810

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1810

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr
 20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met
 35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe
 50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys
 85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe
 100 105 110

Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu
 130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile
 145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser
 165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu
 180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys
 195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Pro Gln Ala Glu Asp
 210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Pro Gly
245 250

<210> 1811

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1811

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr
20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met
35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe
50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys
85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe
100 105 110

Asp Ile Trp Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu
130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile
145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser
165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu
180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys
 195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp
 210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1812

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1812

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Arg Arg Pro Gly Ala
 1 5 10 15

Ser Val Arg Val Ser Cys Arg Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
 20 25 30

Ala Ile His Trp Ile Arg Gln Ala Pro Gly Gln Arg Leu Glu Trp Met
 35 40 45

Gly Trp Ile Asn Ala Ala Asn Gly Val Thr Asn Tyr Ser Asp Asp Phe
 50 55 60

Gln Asp Arg Val Thr Leu Thr Arg Asp Thr Ser Ala Arg Thr Ala Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys
 85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe
 100 105 110

Asp Ile Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu
 130 135 140

Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile
145 150 155 160

Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Thr Val Asn Trp
165 170 175

Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu Leu Ile Tyr Asn Asn
180 185 190

Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Lys Ser
195 200 205

Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu Gln Ser Glu Asp Glu
210 215 220

Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser Leu Asn Gly Arg Val
225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
245 250

<210> 1813

<211> 253

<212> PRT

<213> Homo sapiens

<400> 1813

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Arg Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Asn Tyr
20 25 30

Ala Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Gly Ile Ile Pro Met Phe Gly Thr Thr Arg Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Gly Ser Tyr Asp Ile Leu Thr Gly Tyr Tyr Ile Asp Asn

2159

100 105 110
 Tyr Met Asp Val Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly
 115 120 125
 Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser
 130 135 140
 Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile
 145 150 155 160
 Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr
 165 170 175
 Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile
 180 185 190
 Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly
 195 200 205
 Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala
 210 215 220
 Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr
 225 230 235 240
 Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

 <210> 1814
 <211> 253
 <212> PRT
 <213> Homo sapiens

 <400> 1814
 Gln Val Gln Leu Val Gln Ser Gly Gly Ser Leu Val Gln Pro Gly Gly
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Val Ser Ser Asn
 20 25 30
 Tyr Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Ser Val Ile Tyr Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val Lys
 50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu
65 70 75 80

Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

Arg Gly Glu Gly Gly Tyr Asp Ile Leu Thr Gly Tyr Leu Arg Gly Tyr
100 105 110

Gly Met Asp Val Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser
130 135 140

Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile
145 150 155 160

Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr
165 170 175

Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile
180 185 190

Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly
195 200 205

Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala
210 215 220

Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr
225 230 235 240

Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
245 250

<210> 1815

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1815

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Asn Tyr
20 25 30

Ala Phe Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn His Ala Gln Lys Leu
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Leu Thr Arg Thr Val Tyr
65 70 75 80

Met Asp Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Gly Met Gly Asp His Tyr Gly Met Asp Val Trp Gly Arg Gly
100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Leu Ser Ala
130 135 140

Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser
145 150 155 160

Ser Asn Ile Gly Ser Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly
165 170 175

Ala Ala Pro Gln Leu Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly
180 185 190

Ile Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu
195 200 205

Val Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala
210 215 220

Ser Trp Asp Asp Ser Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys
225 230 235 240

Leu Thr Val Leu Gly
245

<210> 1816

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1816

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Asn Met Phe
 20 25 30

Ser Val Ser Trp Leu Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Ser Ile Ile Pro Leu Leu Gly Ser Thr Asn Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Ile Thr Ile Thr Ala Asp Asp Pro Met Thr Thr Ala Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Lys Ser Glu Asp Thr Ala Leu Tyr Tyr Cys
 85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe
 100 105 110

Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr
 130 135 140

Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr
 145 150 155 160

Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Thr Asn Trp Phe Gln Gln
 165 170 175

Lys Pro Gly Gln Ala Pro Leu Leu Val Val Tyr Ala Lys Asn Lys Arg
 180 185 190

Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr
 195 200 205

Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr
 210 215 220

Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly
 225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly
 245

<210> 1817
 <211> 249
 <212> PRT
 <213> Homo sapiens

<400> 1817
 Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Ser Ile Lys Glu Asp Gly Thr Asp Lys Tyr Tyr Val Glu Ser Val
 50 55 60

Arg Gly Arg Phe Gly Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Ser
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Val Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Gly Ser Tyr Tyr Asp Ile Leu Thr Gly Ile Ser Ser Leu Gly
 100 105 110

Met Asp Val Trp Gly Lys Gly Thr Thr Val Thr Val Ser Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu
 130 135 140

Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile
 145 150 155 160

Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Thr Asn Trp Phe Gln
 165 170 175

Gln Lys Pro Gly Gln Ala Pro Leu Leu Val Val Tyr Ala Lys Asn Lys
 180 185 190

Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn
 195 200 205

Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp
 210 215 220

Tyr Tyr Cys His Ser Arg Asp Ser Ser Gly Asn His Val Leu Phe Gly
 225 230 235 240

Gly Gly Thr Lys Leu Thr Val Leu Gly
 245

<210> 1818

<211> 246

<212> PRT

<213> Homo sapiens

<400> 1818

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15

Ser Val Arg Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Asn Asn Asn
 20 25 30

Ala Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Gly Ile Ile Pro Met Phe Gly Thr Ala Lys Tyr Ser Gln Asn Phe
 50 55 60

Gln Gly Arg Val Ala Ile Ile Ala Asp Glu Ser Thr Ser Thr Ala Ser
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Ser Arg Asp Leu Leu Leu Phe Pro His Tyr Gly Met Asp Val
 100 105 110

Trp Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Ser

2165

2166

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Arg Gly His Tyr Asp Ile Leu Thr Gly Tyr Tyr Ile Glu
 100 105 110

Pro Ser Gly Phe Asp Tyr Trp Gly Lys Gly Thr Leu Val Thr Val Ser
 115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
 130 135 140

Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln
 145 150 155 160

Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr
 165 170 175

Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu
 180 185 190

Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe
 195 200 205

Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu
 210 215 220

Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg
 225 230 235 240

Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250 255

<210> 1820

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1820

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Phe Ser Asp Tyr
 20 25 30

Tyr Met Asp Trp Val Arg Gln Val Pro Gly Lys Gly Leu Glu Trp Leu
 35 40 45

Gly Arg Thr Lys Asn Lys Gly Tyr Thr Thr Gln Tyr Ala Ala Ser Val
 50 55 60

Lys Gly Arg Phe Ser Ile Ser Arg Asp Asp Leu Thr Asn Leu Leu Phe
 65 70 75 80

Leu Gln Leu Asn Gly Leu Lys Thr Glu Asp Thr Ala Ile Tyr Tyr Cys
 85 90 95

Ala Arg Gly Pro Gly Val Ile Gly Asn Tyr Asp Tyr Trp Gly Arg Gly
 100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val
 130 135 140

Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser
 145 150 155 160

Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro
 165 170 175

Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser
 180 185 190

Gly Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser
 195 200 205

Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
 210 215 220

Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys
 225 230 235 240

Leu Thr Val Leu Gly
 245

<210> 1821

<211> 252

<212> PRT

<213> Homo sapiens

<400> 1821

Gly Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ile Thr Phe Thr Asn Ala
 20 25 30

Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Leu
 35 40 45

Gly Arg Val Lys Ser Lys Val Asp Gly Gly Thr Val Asp Tyr Ala Ala
 50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Leu Ile Asn Thr
 65 70 75 80

Leu Phe Leu Gln Ile Asn Ser Leu Lys Ala Glu Asp Thr Gly Val Tyr
 85 90 95

Tyr Cys Thr Thr Gly Gly Met Ile Arg Ala Arg Glu Asp Tyr Tyr Tyr
 100 105 110

Met Asp Val Trp Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val
 130 135 140

Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr
 145 150 155 160

Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val
 165 170 175

Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr
 180 185 190

Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser
 195 200 205

Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu
 210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg
 225 230 235 240

Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1822

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1822

Gly Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr
 20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met
 35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe
 50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys
 85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe
 100 105 110

Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu
 130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile
 145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser
 165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu
180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys
195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp
210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val
225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
245 250

<210> 1823

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1823

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ala Phe Thr Lys Tyr
20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met
35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe
50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys
85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe
100 105 110

Asp Ile Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr

2171

130 135 140
 Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Val Thr
 145 150 155 160
 Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Thr Asn Trp Phe Gln Gln
 165 170 175
 Lys Pro Gly Gln Ala Pro Leu Leu Val Val Tyr Ala Lys Asn Lys Arg
 180 185 190
 Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr
 195 200 205
 Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr
 210 215 220
 Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly
 225 230 235 240
 Gly Thr Lys Leu Thr Val Leu Gly
 245
 <210> 1824
 <211> 251
 <212> PRT
 <213> Homo sapiens
 <400> 1824
 Lys Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr
 20 25 30
 Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met
 35 40 45
 Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe
 50 55 60
 Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr
 65 70 75 80
 Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys
 85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe
 100 105 110

Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Pro
 130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile
 145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser
 165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu
 180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys
 195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp
 210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1825

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1825

Gly Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr
 20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met
 35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe
 50 55 60
 Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr
 65 70 75 80
 Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys
 85 90 95
 Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe
 100 105 110
 Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly
 115 120 125
 Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu
 130 135 140
 Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile
 145 150 155 160
 Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser
 165 170 175
 Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu
 180 185 190
 Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys
 195 200 205
 Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp
 210 215 220
 Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val
 225 230 235 240
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1826

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1826

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ser Phe Ser Ser His
 20 25 30

Ser Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Asp Ser Ser Ser Ser Thr Ile His Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Ile Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Ser Thr Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr Phe Asp Tyr Trp
 100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro
 130 135 140

Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly
 145 150 155 160

Asp Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly
 165 170 175

Gln Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly
 180 185 190

Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu
 195 200 205

Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn
 210 215 220

Ser Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys
 225 230 235 240

Leu Thr Val Leu Gly
245

<210> 1827

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1827

Gly Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Lys Tyr
20 25 30

Thr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met
35 40 45

Gly Trp Ile Asn Gly Gly Ser Gly Asp Thr Lys Tyr Ser Arg Lys Phe
50 55 60

Gln Gly Arg Val Thr Ile Thr Lys Asp Thr Ser Ala Ser Ala Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Gly Ser Glu Asp Thr Ala Leu Tyr Tyr Cys
85 90 95

Ala Arg Ala Thr Tyr Asp Pro Leu Thr Gly Tyr Ser Phe Asp Gly Phe
100 105 110

Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu
130 135 140

Thr Gln Pro Ala Ser Met Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile
145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser
165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu
180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys
 195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp
 210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val
 225 230 235 240

Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
 245 250

<210> 1828

<211> 255

<212> PRT

<213> Homo sapiens

<400> 1828

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Val Ser Gly Gly Thr Phe Ser Ser Tyr
 20 25 30

Thr Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Arg Ile Ile Pro Ile His Gly Ile Val Asn His Ala Glu Lys Phe
 50 55 60

Gln Gly Arg Ala Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Leu Pro Pro Tyr Asp Met Leu Thr Gly Tyr Tyr Val Gly Gly
 100 105 110

Gly Met Asp Val Trp Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln
 130 135 140

Ala Val Leu Thr Gln Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Arg

2178

Ala Phe Asp Val Trp Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu
 130 135 140

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln
 145 150 155 160

Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala
 165 170 175

Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr
 180 185 190

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
 195 200 205

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
 210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His
 225 230 235 240

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1830

<211> 242

<212> PRT

<213> Homo sapiens

<400> 1830

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Val Ser Ser Arg
 20 25 30

Thr Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Gly Ser Leu Pro Pro Ser Gly Ala Pro Ile Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Ala Ile Thr Ala Asp Ala Leu Thr Asn Thr Ala Phe
65 70 75 80

Met Glu Leu Arg Ser Leu Lys Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Gln Gly Arg Tyr Leu Asp Leu Trp Gly Lys Gly Thr Leu
100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly
115 120 125

Gly Gly Gly Ser Ala Leu Pro Val Leu Thr Gln Pro Pro Ser Ala Ser
130 135 140

Val Ala Pro Gly Gln Thr Ala Arg Ile Ala Cys Gly Gly Asn Asn Ile
145 150 155 160

Gly Ser Gln Ala Val His Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro
165 170 175

Val Leu Val Val Tyr Asp Asp Ser Asp Arg Pro Ser Gly Ile Pro Glu
180 185 190

Arg Ile Ser Gly Ser Lys Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser
195 200 205

Arg Val Glu Ala Gly Asp Glu Ala Asp Phe Tyr Cys Gln Val Trp Asp
210 215 220

Gly Ser Ser Asp His Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val
225 230 235 240

Leu Gly

<210> 1831

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1831

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
 20 25 30

Ala Phe Asn Trp Val Arg Arg Ala Pro Gly Gln Gly Leu Glu Trp Leu
 35 40 45

Gly Ser Ile Val Pro Val Phe Asn Thr Lys Thr Phe Ala Arg Lys Phe
 50 55 60

Gln Gly Arg Val Thr Leu Thr Ala Asp Glu Leu Thr Arg Thr Ala Tyr
 65 70 75 80

Leu Glu Leu Ser Asn Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Ser Arg Tyr Gly Asp Pro Phe Tyr Tyr Tyr Tyr Tyr Met Asn Val
 100 105 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
 115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr
 130 135 140

Gln Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser
 145 150 155 160

Cys Thr Gly Ser Ser Ser Asn Ile Gly Lys Gly Tyr Asp Val His Trp
 165 170 175

Tyr Gln Gln Leu Pro Gly Lys Ala Pro Lys Leu Leu Met Tyr Asp Asn
 180 185 190

Asn Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser
 195 200 205

Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu
 210 215 220

Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Ser Asn Leu Ser Gly Tyr Val
 225 230 235 240

Phe Gly Thr Gly Thr Gln Leu Thr Val Leu Ser
 245 250

<210> 1832

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1832

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15

Ser Val Lys Val Ser Cys Arg Ala Ser Gly Gly Ser Phe Asn His Ala
 20 25 30

Ile Ser Trp Val Arg Gln Ala Pro Gly Arg Gly Leu Glu Trp Met Gly
 35 40 45

Gly Ile Leu Pro Met Tyr Gly Thr Ala Asn Tyr Ala Gln Lys Phe Gln
 50 55 60

Gly Arg Val Thr Ile Thr Ala Asp Lys Leu Thr Asn Thr Val Tyr Met
 65 70 75 80

Asp Leu Ser Arg Leu Arg Tyr Glu Asp Thr Ala Val Tyr Tyr Cys Ala
 85 90 95

Arg Glu Leu Gly Leu Ser Ile Val Gly Ala Thr Thr Gly Ala Leu Asp
 100 105 110

Met Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly
 115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu
 130 135 140

Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile
 145 150 155 160

Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Thr Val Asn Trp
 165 170 175

Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Ser Asn
 180 185 190

Asn Arg Arg Pro Ser Gly Val Pro Glu Arg Phe Ser Gly Ser Lys Ser
 195 200 205

Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln Pro Glu Asp Glu
 210 215 220

Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu Lys Gly Trp Val
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1833

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1833

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15

Ser Val Lys Val Ser Cys Arg Ala Ser Gly Gly Thr Phe Ser Gly Tyr
 20 25 30

Thr Val Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Arg Ile Asn Pro Met Ser Asn Gly Ala Asn Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr
 65 70 75 80

Leu Asp Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Met Tyr Tyr Cys
 85 90 95

Ala Arg Gly Gly Tyr Asp Ile Leu Thr Gln Tyr Pro Ala Glu Phe Phe
 100 105 110

His Pro Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser
 130 135 140

Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val
 145 150 155 160

Thr Ile Thr Cys Gln Gly Asp Ser Val Arg Asn Phe Tyr Ala Ser Trp

165 170 175
 Tyr Gln Gln Lys Pro Gly Gln Ala Pro Leu Leu Val Ile Tyr Gly Gln
 180 185 190
 Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Arg Ser
 195 200 205
 Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu
 210 215 220
 Gly Val Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Thr Asn Pro Val Val
 225 230 235 240
 Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly
 245 250
 <210> 1834
 <211> 246
 <212> PRT
 <213> Homo sapiens
 <400> 1834
 Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Val Ser Ser Arg
 20 25 30
 Thr Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Gly Ser Leu Pro Pro Ser Gly Ala Pro Ile Tyr Ala Gln Lys Phe
 50 55 60
 Gln Gly Arg Val Ala Ile Thr Ala Asp Ala Leu Thr Asn Thr Ala Phe
 65 70 75 80
 Met Glu Leu Arg Ser Leu Lys Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Asp Gln Gly Arg Tyr Leu Asp Leu Trp Asp Gln Gly Thr Leu
 100 105 110
 Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
 115 120 125

2184

Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro Ser Ser Val Ser
 130 135 140

Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser
 145 150 155 160

Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln His Leu Pro Gly
 165 170 175

Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Lys Asn Arg Pro Ser Glu
 180 185 190

Ile Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu
 195 200 205

Ala Ile Thr Gly Leu Gln Pro Glu Asp Glu Ala Asp Tyr Tyr Cys Gln
 210 215 220

Ser Tyr Asp Ser Ser Leu Ser Gly Pro Val Ala Phe Gly Gly Gly Thr
 225 230 235 240

Lys Val Thr Val Leu Gly
 245

<210> 1835

<211> 253

<212> PRT

<213> Homo sapiens

<400> 1835

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Ile Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Leu Asn Asn Phe
 20 25 30

Gly Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Ser Tyr Ser Ser Ser Thr Lys Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Ile Gly Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Asn Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Arg Tyr Tyr Asp Ile Leu Thr Lys Gly Asp Tyr Tyr Tyr
100 105 110

Gly Met Asp Val Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu
130 135 140

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln
145 150 155 160

Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala
165 170 175

Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr
180 185 190

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
195 200 205

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn Leu
225 230 235 240

Val Val Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly
245 250

<210> 1836

<211> 262

<212> PRT

<213> Homo sapiens

<400> 1836

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Ala Ala Asn
20 25 30

Tyr Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Trp Ile Asn Pro Asn Thr Gly Ala Thr Lys Phe Ser Arg Lys Phe
 50 55 60
 Glu Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Thr Thr Val Tyr
 65 70 75 80
 Met Asp Leu Asn Arg Val Arg Phe Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Val Gln Gly Glu Thr Tyr Tyr Asp Ile Leu Thr Gly Tyr Trp
 100 105 110
 Gly Pro Lys Arg Asp Leu Tyr Gly Met Asp Val Trp Gly Arg Gly Thr
 115 120 125
 Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
 130 135 140
 Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro Ser Ser Val
 145 150 155 160
 Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Ser Asn
 165 170 175
 Ser Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln Gln Leu Pro
 180 185 190
 Gly Thr Ala Pro Lys Leu Leu Ile Tyr Asn Asp Ser Asn Arg Pro Ser
 195 200 205
 Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser
 210 215 220
 Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala His Tyr Tyr Cys
 225 230 235 240
 Gln Ser Tyr Asp Asn Ser Leu Ser Ala Ser Ile Phe Gly Gly Gly Thr
 245 250 255
 Lys Leu Thr Val Leu Gly
 260

<210> 1837

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1837

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Ser Phe Asn His Ala
 20 25 30

Ile Ile Cys Trp Leu Gln Ala Pro Gly Arg Gly Leu Glu Trp Met Val
 35 40 45

Gly Ile Leu Pro Met Tyr Gly Thr Ala Asn Tyr Ala Gln Lys Phe Gln
 50 55 60

Gly Arg Val Thr Ile Thr Ala Asp Lys Leu Ala Ile Thr Ala Tyr Met
 65 70 75 80

Asp Leu Ile Arg Leu Arg Tyr Glu Asp Thr Ala Val Tyr Tyr Cys Ala
 85 90 95

Arg Glu Leu Gly Leu Ser Ile Val Val Ala Thr Thr Gly Ala Leu Asp
 100 105 110

Met Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly
 115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Val
 130 135 140

Thr Gln Pro Pro Ser Val Ser Ala Ala Pro Gly Gln Lys Val Ile Ile
 145 150 155 160

Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Thr Asn Ser Val Ser Trp
 165 170 175

Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Asp Asn
 180 185 190

Asn Lys Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Lys Ser
 195 200 205

Gly Thr Ser Ala Thr Leu Gly Ile Thr Gly Leu Gln Ser Gly Asp Glu
 210 215 220

Ala Asp Tyr Tyr Cys Gly Thr Arg Asp Ser Ser Leu Ser Ala Val Val
 225 230 235 240

Phe Gly Gly Gly Thr Gln Leu Thr Val Leu Ser
 245 250

<210> 1838

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1838

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Asn Asn Phe
 20 25 30

Ala Phe Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Gly Ile Thr Pro Leu Phe Gly Thr Pro Asn Tyr Ala Glu Arg Leu
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Leu Thr Arg Thr Val Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Ser Glu Gly Gly Asp Tyr Thr Asn Pro Phe Gly Tyr Trp
 100 105 110

Gly Arg Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Val Ile Gln
 130 135 140

Glu Pro Ser Leu Thr Val Ser Pro Gly Gly Thr Val Thr Leu Thr Cys
 145 150 155 160

Thr Ser Ser Thr Gly Ala Val Thr Asn Asn Asn Tyr Pro Ser Trp Phe

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<210> 1839
<211> 245
<212> PRT
<213> Homo sapiens
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<400> 1839
Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Val Ser Ser Arg
20 25 30

Thr Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Gly Ser Leu Pro Pro Ser Gly Ala Pro Ile Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Ala Ile Thr Ala Asp Ala Leu Thr Asn Thr Ala Phe
65 70 75 80

Met Glu Leu Arg Ser Leu Lys Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Gln Gly Arg Tyr Leu Asp Leu Trp Gly Lys Gly Thr Met
100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
115 120 125

2190

Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro Ser Ser Val Ser
 130 135 140

Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser
 145 150 155 160

Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln Gln Leu Pro Gly
 165 170 175

Thr Ala Pro Lys Leu Leu Ile Tyr Gly Tyr Ile Asn Arg Pro Ser Gly
 180 185 190

Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu
 195 200 205

Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Gln
 210 215 220

Ser Tyr Asp Thr Ser Leu Ser Asp Tyr Val Phe Gly Thr Gly Thr Lys
 225 230 235 240

Val Thr Val Leu Gly
 245

<210> 1840

<211> 251

<212> .PRT

<213> Homo sapiens

<400> 1840

Asp Val Gln Leu Leu Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15

Ser Val Lys Val Ser Cys Arg Ala Ser Gly Gly Ser Phe Asn His Ala
 20 25 30

Ile Ser Trp Leu Arg Gln Ala Pro Arg Arg Gly Leu Glu Trp Met Gly
 35 40 45

Gly Ile Leu Pro Met Tyr Gly Thr Ala Tyr Tyr Ala Gln Lys Phe Gln
 50 55 60

Gly Arg Val Thr Ile Thr Ala Asp Lys Leu Thr Asn Thr Val Tyr Met
 65 70 75 80

Asp Leu Ser Arg Leu Arg Tyr Glu Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

Arg Glu Leu Gly Leu Ser Ile Val Gly Ala Thr Thr Gly Ala Leu Asp
100 105 110

Met Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly
115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Val
130 135 140

Thr Gln Pro Pro Ala Val Ser Ala Ala Pro Gly Gln Lys Val Thr Ile
145 150 155 160

Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Tyr Tyr Val Ser Trp
165 170 175

Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Asp Asn
180 185 190

Asp Lys Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Val Ser Lys Ser
195 200 205

Gly Thr Ser Ser Thr Leu Ala Ile Thr Gly Leu Gln Thr Gly Asp Glu
210 215 220

Ala Asp Tyr Tyr Cys Gly Thr Trp Asp Ser Ser Leu Ser Ala Gly Val
225 230 235 240

Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly
245 250

<210> 1841

<211> 258

<212> PRT

<213> Homo sapiens

<400> 1841

Glu Val Gln Leu Val Glu Thr Gly Gly Gly Leu Val Lys Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Gly Tyr
20 25 30

Ser Met Asn Trp Val Arg Leu Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Ala Ser Ile Arg Ser Arg Ser Gly Gly Thr Tyr Ile Tyr Tyr Ala Asp
 50 55 60
 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser
 65 70 75 80
 Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr
 85 90 95
 Tyr Cys Ala Arg Asp Pro Gly Asn Tyr Asp Ile Leu Thr Gly Tyr Tyr
 100 105 110
 Tyr Tyr Tyr Gly Met Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val
 115 120 125
 Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 130 135 140
 Ser Ala Gln Ala Val Leu Thr Gln Pro Ser Ser Val Ser Gly Ala Pro
 145 150 155 160
 Gly Gln Arg Val Thr Ile Pro Cys Thr Gly Ser Ser Ser Asn Ile Arg
 165 170 175
 Ala Gly Tyr Asp Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro
 180 185 190
 Arg Leu Leu Ile Tyr Gly Asn Ser Asn Arg Pro Ser Gly Val Pro Asp
 195 200 205
 Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr
 210 215 220
 Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp
 225 230 235 240
 Thr Asn Leu Ser Gly Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val
 245 250 255
 Leu Gly

<210> 1842

<211> 244

<212> PRT

<213> Homo sapiens

<400> 1842

Glu Val Gln Leu Val Gln Ser Gly Ser Glu Val Glu Lys Pro Gly Ser
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser His
 20 25 30

Ala Leu Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Tyr Met
 35 40 45

Gly Gly Ile Met Pro Gly Phe Gly Lys Ser Ser Tyr Ala Pro Lys Phe
 50 55 60

Leu Gly Arg Leu Thr Ile Thr Ala Asp Asp Leu Thr Asn Thr Gly Tyr
 65 70 75 80

Met Glu Leu Thr Ser Leu Thr Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Thr Val Arg Leu Pro His His His Tyr Phe Met Ala Val Trp Gly
 100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro
 130 135 140

Pro Ser Val Ser Val Ser Pro Gly Gln Thr Ala Ile Ile Thr Cys Ser
 145 150 155 160

Gly Asn Lys Leu Gly Asn Lys Tyr Ala Thr Trp Tyr Gln Gln Lys Pro
 165 170 175

Gly Gln Pro Pro Val Ala Val Ile Tyr Glu Asp Asn Lys Arg Pro Ser
 180 185 190

Gly Ile Pro Glu Arg Phe Ser Gly Ser Asn Ser Gly Asp Thr Ala Thr
 195 200 205

Leu Thr Ile Ser Gly Thr Gln Ala Met Asp Glu Ala Asp Tyr Tyr Cys
 210 215 220

Gln Ala Trp Asp Ser Asp Thr Val Val Phe Gly Gly Gly Thr Lys Val
 225 230 235 240

Thr Val Leu Gly

<210> 1843

<211> 254

<212> PRT

<213> Homo sapiens

<400> 1843

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15

Ser Val Lys Val Ser Cys Thr Ala Ser Gly Gly Ile Phe Ser Ser Ser
 20 25 30

Thr Phe Ser Trp Val Arg Gln Val Pro Gly Gln Gly Leu Glu Trp Leu
 35 40 45

Gly Gly Ile Thr Pro Met Phe Ala Lys Ala Asp Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Ala Ile Thr Ala Asp Glu Leu Thr Arg Thr Val Tyr
 65 70 75 80

Met Asp Leu Ser Gly Leu Arg Pro Glu Asp Thr Ala Ile Tyr Tyr Cys
 85 90 95

Ala Arg Glu Ser Ser Ile Thr Val Asn Pro Pro Tyr Tyr Phe Tyr Gly
 100 105 110

Met Asp Val Trp Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser
 130 135 140

Tyr Val Leu Thr Gln Pro Pro Ser Val Ser Lys Gly Leu Arg Gln Thr
 145 150 155 160

Ala Thr Leu Thr Cys Thr Ala Asn Thr Asn Asn Val Gly Ser His Gly

165 170 175
 Ala Thr Trp Leu Gln His Arg Gln Gly His Pro Leu Lys Leu Leu Val
 180 185 190
 Tyr Arg Asp Glu Lys Arg Pro Ser Gly Ile Ser Glu Arg Leu Ser Ala
 195 200 205
 Ser Arg Ser Gly Asp Thr Ala Ser Leu Thr Ile Thr Gly Leu Gln Pro
 210 215 220
 Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Ser Gly Leu Ser
 225 230 235 240
 Ala Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250
 <210> 1844
 <211> 242
 <212> PRT
 <213> Homo sapiens
 <400> 1844
 Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Val Ser Ser Arg
 20 25 30
 Thr Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Gly Ser Leu Pro Pro Ser Gly Ala Pro Ile Tyr Ala Gln Lys Phe
 50 55 60
 Gln Gly Arg Val Ala Ile Thr Ala Asp Ala Leu Thr Asn Thr Ala Phe
 65 70 75 80
 Met Glu Leu Arg Ser Leu Lys Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Asp Gln Gly Arg Tyr Leu Asp Leu Trp Gly Lys Gly Thr Leu
 100 105 110
 Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
 115 120 125

Gly Gly Gly Ser Ala Leu Glu Thr Thr Leu Thr Gln Ser Pro Ala Thr
 130 135 140

Leu Ser Val Ser Pro Gly Glu Ser Ala Thr Leu Ser Cys Arg Ala Ser
 145 150 155 160

Gln Ser Phe Ser Asn Asn Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
 165 170 175

Gly Pro Arg Leu Leu Ile Tyr Gly Ala Ser Thr Arg Ala Thr Gly Ile
 180 185 190

Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr
 195 200 205

Ile Ile Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln
 210 215 220

Tyr Tyr Asp Trp Pro Ile Thr Phe Gly Arg Gly Thr Arg Leu Glu Ile
 225 230 235 240

Lys Arg

<210> 1845

<211> 244

<212> PRT

<213> Homo sapiens

<400> 1845

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Val Ser Ser Arg
 20 25 30

Thr Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Gly Ser Leu Pro Pro Ser Gly Ala Pro Ile Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Ala Ile Thr Ala Asp Ala Leu Thr Asn Thr Ala Phe
 65 70 75 80

Met Glu Leu Arg Ser Leu Lys Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Gln Gly Arg Tyr Leu Asp Leu Trp Gly Arg Gly Thr Leu
100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly
115 120 125

Gly Gly Gly Ser Ala Leu Ser Tyr Val Leu Thr Gln Pro Pro Ser Ala
130 135 140

Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser
145 150 155 160

Ser Asn Leu Gly Ile Asn Thr Val Asn Trp Tyr Gln Gln Val Pro Gly
165 170 175

Thr Ala Pro Lys Leu Leu Ile Tyr Ser Asp His Gln Arg Pro Ser Gly
180 185 190

Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Ala Thr Ser Ala Ser Leu
195 200 205

Ala Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala
210 215 220

Ala Trp Asp Asp Ser Leu Asn Gly Val Phe Gly Gly Gly Thr Lys Leu
225 230 235 240

Thr Val Leu Gly

<210> 1846

<211> 254

<212> PRT

<213> Homo sapiens

<400> 1846

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Leu Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Gln Ala Ser Gly Tyr Thr Ile Thr Gly Tyr
20 25 30

Tyr Val His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Asn Pro Ser Thr Gly Gly Thr Lys Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Asn Ser Ala Tyr
 65 70 75 80

Met Glu Leu Thr Arg Leu Thr Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Ser Pro Glu Gly Asp Tyr Gln Pro Leu Ser Ser Asn Tyr Asn
 100 105 110

Trp Leu Asp Pro Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln
 130 135 140

Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg
 145 150 155 160

Val Thr Ile Ser Cys Ser Gly Ser Asp Ser Asn Ile Gly Ser Tyr Ala
 165 170 175

Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Met
 180 185 190

Ser Ser Asn Ser His Arg Ser Ser Gly Val Pro Asp Arg Phe Ser Gly
 195 200 205

Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln Pro
 210 215 220

Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Thr Leu Ser
 225 230 235 240

Gly Arg Val Phe Gly Gly Gly Thr Gln Leu Ala Val Leu Ser
 245 250

<210> 1847 ~

<211> 246

<212> PRT

<213> Homo sapiens

<400> 1847

Gln Leu Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Arg Pro Ser Gly
 1 5 10 15

Thr Leu Ser Leu Ala Cys Ser Val Ser Gly Asp Ser Ile Ser Asn Asn
 20 25 30

Asn Trp Trp Thr Trp Val Arg Gln Ser Pro Arg Lys Gly Leu Glu Trp
 35 40 45

Ile Gly Glu Ile Asn His Ser Gly Thr Thr Asn Tyr Asn Pro Ser Leu
 50 55 60

Lys Thr Arg Val Ser Ile Ser Ala Asp Arg Ser Arg Asp His Leu Ser
 65 70 75 80

Leu Glu Leu Lys Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Phe Cys
 85 90 95

Ala Thr Gly Lys Glu Gly Tyr Asn Asp Asn Trp Gly Arg Gly Thr Met
 100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
 115 120 125

Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro Ser Ser Val Ser
 130 135 140

Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser
 145 150 155 160

Asn Ile Gly Ala Asp Tyr Asp Val His Trp Tyr Gln Gln Leu Pro Gly
 165 170 175

Thr Ala Pro Arg Leu Leu Ile Tyr Gly Asn Asn Asn Arg Pro Ser Gly
 180 185 190

Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu
 195 200 205

Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Gln
 210 215 220

2200

Ser Tyr Asp Ser Ser Leu Ser Gly Ser Arg Val Phe Gly Thr Gly Thr
 225 230 235 240

Lys Leu Thr Val Leu Gly
 245

<210> 1848
 <211> 253
 <212> PRT
 <213> Homo sapiens

<400> 1848
 Glu Val Gln Leu Val Gln Ser Gly Ala Asp Val Arg Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Asn Phe Met Asn Tyr
 20 25 30

Asp Ile Asn Trp Val Arg Gln Ala Pro Gly Glu Gly Leu Glu Trp Met
 35 40 45

Gly Trp Met Asn Pro Lys Ser Gly Lys Thr Asp Ser Ala Glu Lys Phe
 50 55 60

Glu Gly Arg Val Thr Met Thr Thr Asp Thr Ser Arg Asp Thr Val Tyr
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Phe Cys
 85 90 95

Ala Arg Gly Ser Gly Tyr Asp Leu Leu Thr Gly Tyr Phe Thr Gly Ser
 100 105 110

Pro Leu Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu
 130 135 140

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln
 145 150 155 160

Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Lys Tyr Tyr Glu
 165 170 175

Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Ile Leu Leu Tyr

180 185 190
 Tyr Lys Asn Gly Arg Pro Ser Gly Met Pro Asp Arg Phe Ser Ala Ser
 195 200 205
 Arg Ser Gly Asn Thr Ala Thr Leu Thr Ile Thr Gly Ala Gln Ala Glu
 210 215 220
 Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Asn Ser Gly Thr Asp
 225 230 235 240
 Leu Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250
 <210> 1849
 <211> 255
 <212> PRT
 <213> Homo sapiens
 <400> 1849
 Gln Met Gln Leu Val Gln Ser Gly Ala Glu Leu Lys Lys Pro Gly Ala
 1 5 10 15
 Ser Val Lys Val Ser Cys Gln Ala Ser Gly Tyr Thr Ile Thr Gly Tyr
 20 25 30
 Tyr Val His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Trp Ile Asn Pro Ser Thr Gly Gly Thr Lys Tyr Ala Gln Lys Phe
 50 55 60
 Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Asn Ser Ala Tyr
 65 70 75 80
 Met Glu Leu Thr Arg Leu Thr Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Gly Ser Pro Glu Gly Asp Tyr Gln Pro Leu Ser Ser Asn Tyr Asn
 100 105 110
 Trp Leu Asp Pro Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser Gly
 115 120 125
 Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln
 130 135 140

2202

Ala Val Leu Thr Gln Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Arg
145 150 155 160

Val Thr Ile Ser Cys Thr Gly Ser Thr Thr Asn Ile Gly Ala Gly Phe
165 170 175

Ala Val His Trp Tyr Gln Gln Leu Pro Gly Ala Ala Pro Lys Leu Ile
180 185 190

Ile Tyr Gly Asn Arg Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
195 200 205

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln
210 215 220

Ser Gly Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu
225 230 235 240

Lys Ala Val Val Phe Gly Gly Gly Thr Gln Leu Thr Val Leu Ser
245 250 255

<210> 1850

<211> 253

<212> PRT

<213> Homo sapiens

<400> 1850

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Leu Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
20 25 30

Gly Leu His Trp Val Arg Gln Thr Pro Gly Gln Gly Leu Glu Trp Leu
35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Tyr Tyr Ser Gln Lys Leu
50 55 60

Gln Asp Arg Val Thr Leu Thr Thr Asp Thr Ser Thr Ser Thr Val Ser
65 70 75 80

Met Glu Leu Arg Gly Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Met Gly His Tyr Asp Ile Leu Thr Gly Tyr Arg His Tyr Gly
100 105 110

Met Asp Val Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala
130 135 140

Val Leu Thr Gln Pro Ser Ser Ala Ser Gly Thr Pro Gly Gln Arg Val
145 150 155 160

Thr Ile Ser Cys Ser Gly Gly Gly Ser Asn Ile Gly Ser Asn Ser Ala
165 170 175

Asn Trp Tyr Arg Gln Val Pro Gly Ala Ala Pro Glu Leu Val Ile Tyr
180 185 190

Ser Asn Asn Gln Arg Pro Ser Ala Val Pro Asp Arg Phe Ser Gly Ser
195 200 205

Lys Ser Gly Thr Ser Ala Ser Leu Val Ile Arg Gly Leu Arg Ser Glu
210 215 220

Asp Glu Ala Glu Tyr Tyr Cys Ala Thr Trp Asp Asp Ser Leu Arg Gly
225 230 235 240

Val Val Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly
245 250

<210> 1851

<211> 250

<212> PRT

<213> Homo sapiens

<400> 1851

Gln Val Gln Leu Gln Glu Ser Gly Gly Asp Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Val Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Met Tyr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Val Trp Val
35 40 45

Ser Arg Ile Lys Ser Asp Gly Ser Gly Thr Glu Tyr Glu Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Lys Ser Leu Arg Thr Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Asn Tyr Asp Ile Leu Thr Gly Tyr Pro His Asp Leu Trp
100 105 110

Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Tyr Glu Leu Thr
130 135 140

Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Ser
145 150 155 160

Cys Ser Gly Ser Ile Ser Asn Ile Gly Ser Asn Ile Val Asn Trp Tyr
165 170 175

Gln Gln Phe Pro Gly Met Ala Pro Lys Ile Leu Ile Gln Asn Asn Ser
180 185 190

Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly
195 200 205

Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala
210 215 220

Gln Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu Asn Gly Arg Val Phe
225 230 235 240

Gly Thr Gly Thr Lys Val Thr Val Leu Gly
245 250

<210> 1852

<211> 252

<212> PRT

<213> Homo sapiens

<400> 1852

Gln Val Gln Leu Val Gln Ser Gly Pro Glu Val Lys Lys Pro Gly Ala

1	5	10	15
Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Ser Thr His	20	25	30
Gly Ile Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met	35	40	45
Gly Trp Ile Ser Gly Tyr Asn Gly Asn Thr Asn Phe Ala Gln Lys Val	50	55	60
Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr	65	70	75
Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Phe Cys	85	90	95
Ala Arg Ser Tyr Tyr Asp Ile Leu Thr Gly Tyr Tyr His Thr Pro Leu	100	105	110
Asp Tyr Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly	115	120	125
Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val	130	135	140
Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Arg Arg Val Thr	145	150	155
Ile Ser Cys Ser Gly Asn Asp Ser Asn Val Ala Arg Asn Ser Val Asn	165	170	175
Trp Tyr Gln Gln Leu Pro Gly Ala Ala Pro Lys Leu Leu Ile Tyr Ser	180	185	190
Asp Asp Arg Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys	195	200	205
Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu Asp	210	215	220
Glu Ala His Tyr Tyr Cys Gly Ala Trp Asp Asp Ser Leu Ser Gly Leu	225	230	235
			240

Val Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly
245 250

<210> 1853

<211> 253

<212> PRT

<213> Homo sapiens

<400> 1853

Gln Val Gln Leu Val Gln Ser Gly Ala Asp Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Asn Phe Met Asn Tyr
20 25 30

Asp Ile Asn Trp Val Arg Gln Ala Pro Gly Glu Gly Leu Glu Trp Met
35 40 45

Gly Trp Met Asn Pro Lys Ser Gly Lys Ser Asp Ser Ala Glu Lys Phe
50 55 60

Glu Gly Arg Val Thr Met Thr Thr Asp Thr Ser Arg Asp Thr Val Tyr
65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Arg Gly Ser Gly Tyr Asp Leu Leu Thr Gly Tyr Phe Thr Gly Ser
100 105 110

Pro Leu Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu
130 135 140

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln
145 150 155 160

Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Lys Tyr Tyr Thr
165 170 175

Asn Trp Phe Gln Gln Arg Pro Gly Gln Ala Pro Leu Leu Val Met Tyr
180 185 190

Gly Gln His Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser

195 200 205
 Arg Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Thr Gln Ala Glu
 210 215 220
 Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Thr Val
 225 230 235 240
 Leu Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

 <210> 1854
 <211> 254
 <212> PRT
 <213> Homo sapiens

 <400> 1854
 Glu Val Gln Leu Val Gln Ala Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15
 Thr Ala Lys Val Ser Cys Lys Thr Ser Gly Tyr Ser Phe Asp Asn Tyr
 20 25 30
 Gly Ile Ala Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Trp Ile Ser Ala Tyr Asp Gly Asp Arg Asn Tyr Ala Gln Lys Leu
 50 55 60
 Arg Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr
 65 70 75 80
 Met Glu Leu Arg Ser Leu Arg Pro Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Asp Asp Arg Asp Ile Leu Thr Asn Tyr Tyr Leu Glu Tyr Phe
 100 105 110
 Gln His Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly
 115 120 125
 Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val
 130 135 140
 Leu Thr Gln Pro Pro Ser Val Ser Gly Ser Pro Gly Gln Ser Val Thr
 145 150 155 160

2208

Ile Ser Cys Ala Gly Thr Ser Ser Asn Ile Gly Pro Tyr Asn Tyr Val
 165 170 175

Ser Trp Tyr Gln Gln His Pro Gly Gln Ala Pro Lys Leu Ile Ile Tyr
 180 185 190

Glu Val Thr Lys Arg Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
 195 200 205

Lys Ser Gly Asn Thr Ala Ser Leu Thr Val Ser Gly Leu Gln Ser Glu
 210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Ser Ile Gly Asn Phe Asn Leu
 225 230 235 240

Gly Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1855

<211> 256

<212> PRT

<213> Homo sapiens

<400> 1855

Glu Val Gln Leu Val Gln Ser Gly Ala Asp Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Thr Ser Gly Tyr Asn Phe Met Asn Tyr
 20 25 30

Asp Ile Asn Trp Val Arg Gln Ala Pro Gly Glu Gly Leu Glu Trp Met
 35 40 45

Gly Trp Met Asn Pro Asn Ser Gly Lys Thr Asp Ser Ala Glu Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Ser Ser Arg Asp Thr Val Tyr
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Phe Cys
 85 90 95

Ala Arg Gly Ser Gly Tyr Asp Val Leu Thr Gly Tyr Phe Thr Gly Ser
 100 105 110

Pro Leu Asp Tyr Trp Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln
 130 135 140

Ser Val Leu Thr Gln Pro Pro Ser Val Ser Gly Thr Pro Gly Gln Arg
 145 150 155 160

Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Phe
 165 170 175

Val Ser Trp Tyr Gln Gln Phe Pro Gly Thr Ala Pro Lys Leu Leu Ile
 180 185 190

Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly
 195 200 205

Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Val
 210 215 220

Asp Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Ala Ser Leu Ser
 225 230 235 240

Gly Arg Gly Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250 255

<210> 1856

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1856

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Ser Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Ser Ile Ser Ser Ser Ser Ser Tyr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Gly Arg Tyr Asp Ile Leu Thr Gly Tyr Phe Thr Ser Phe Asp
 100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly
 115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu
 130 135 140

Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg
 145 150 155 160

Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Ser Tyr Ala Ser Trp Tyr
 165 170 175

Gln Gln Lys Pro Gly Gln Ala Pro Thr Leu Val Ile Phe Gly Lys Asn
 180 185 190

Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly
 195 200 205

Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala
 210 215 220

Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn Leu Pro Phe Gly
 225 230 235 240

Gly Gly Thr Lys Val Thr Val Leu Gly
 245

<210> 1857

<211> 254

<212> PRT

<213> Homo sapiens

<400> 1857

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Thr Val Lys Val Ser Cys Lys Thr Ser Gly Tyr Ser Phe Asp Asn Tyr

	20		25		30
Gly Ile Ala Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met	35		40		45
Gly Trp Ile Ser Ala Tyr Asp Gly Asp Arg Asn Tyr Ala Gln Lys Leu	50		55		60
Arg Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr	65		70		75
Met Glu Leu Arg Ser Leu Arg Pro Asp Asp Thr Ala Val Tyr Tyr Cys		85		90	95
Ala Arg Asp Asp Arg Asp Ile Leu Thr Asn Tyr Tyr Leu Glu Tyr Phe		100		105	110
Gln His Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly		115		120	125
Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val		130		135	140
Leu Thr Gln Pro Pro Ser Val Ser Gly Ser Pro Gly Gln Ser Val Thr		145		150	155
Ile Ser Cys Ala Gly Thr Ser Ser Asn Ile Gly Pro Tyr Asn Tyr Val		165		170	175
Ser Trp Tyr Gln Gln His Pro Gly Gln Ala Pro Lys Leu Ile Ile Tyr		180		185	190
Glu Val Thr Lys Arg Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser		195		200	205
Lys Ser Gly Asn Thr Ala Ser Leu Thr Val Ser Gly Leu Gln Ser Glu		210		215	220
Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Ser Ile Gly Asn Phe Asn Leu		225		230	235
Gly Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly		245		250	

<210> 1858
 <211> 253
 <212> PRT
 <213> Homo sapiens

<400> 1858

Gln Met Gln Leu Val Gln Ser Arg Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Glu Ala Ser Ala Glu Leu Phe Ala Ser Ser
 20 25 30

Asp Ile Asn Trp Val Arg Arg Ala Thr Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Val Asn Pro Ser Ser Gly Asn Ala Gly Tyr Ala Glu Lys Phe
 50 55 60

Glu Gly Arg Val Ser Met Thr Thr Asn Ile Pro Lys Lys Thr Val Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Gly Thr Gly Tyr Asp Ile Leu Thr Gly Tyr Tyr Met Gly Ser
 100 105 110

Ala Phe Asp Gln Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu
 130 135 140

Ser Ser Glu Leu Thr Gln Asp Pro Asp Val Ser Val Ala Leu Gly Gln
 145 150 155 160

Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Pro
 165 170 175

Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Phe
 180 185 190

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
 195 200 205

Ser Ser Gly Asn Thr Ala Phe Leu Thr Ile Thr Gly Ala Gln Ala Glu

210 215 220
 Asp Glu Gly Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Thr Arg Ser His
 225 230 235 240

 Leu Val Phe Gly Gly Gly Thr Gln Leu Thr Val Leu Ser
 245 250

 <210> 1859
 <211> 253
 <212> PRT
 <213> Homo sapiens

 <400> 1859
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
 20 25 30

 Gly Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Leu
 35 40 45

 Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Tyr Tyr Ser Gln Lys Leu
 50 55 60

 Gln Asp Arg Val Thr Leu Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr
 65 70 75 80

 Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

 Ala Arg Met Gly His Tyr Asp Ile Leu Thr Gly Tyr Arg His Tyr Gly
 100 105 110

 Met Asp Val Trp Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly
 115 120 125

 Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser
 130 135 140

 Val Leu Thr Gln Pro Pro Ser Val Ser Ala Ala Pro Gly Gln Arg Val
 145 150 155 160

 Thr Ile Ser Cys Ser Gly Gly Ser Ser Asn Ile Gly Lys Asn Tyr Val
 165 170 175

Ser Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr
180 185 190

Asp Asn Tyr Lys Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
195 200 205

Lys Ser Ala Thr Ser Ala Thr Leu Gly Ile Thr Gly Leu Gln Thr Gly
210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Gly Thr Trp Asp Ser Ser Leu Ser Ala
225 230 235 240

Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
245 250

<210> 1860

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1860

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Val Ser Ser Arg
20 25 30

Thr Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Gly Ser Leu Pro Pro Ser Gly Ala Pro Ile Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Ala Ile Thr Ala Asp Ala Leu Thr Asn Thr Ala Phe
65 70 75 80

Met Glu Leu Arg Ser Leu Lys Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Gln Gly Arg Tyr Leu Asp Leu Trp Gly Gln Gly Thr Leu
100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
115 120 125

Gly Gly Gly Ser Ala Leu Pro Val Leu Thr Gln Pro Pro Ser Ala Ser
 130 135 140

Gly Thr Pro Gly Gln Arg Val Thr Ile Ser Cys Ser Arg Thr Thr Ser
 145 150 155 160

Asn Phe Gly Ser Asn Thr Val Asn Trp Tyr Gln Gln Ser Pro Gly Thr
 165 170 175

Ala Pro Lys Leu Leu Ile Phe Ser Asn Asn Gln Arg Pro Ser Gly Val
 180 185 190

Ser Asp Arg Phe Ser Gly Ser Lys Ser Gly Ala Ser Ala Ser Leu Ala
 195 200 205

Ile Ser Gly Leu Gln Ser Ala Asp Glu Ala Glu Tyr Tyr Cys Ala Ala
 210 215 220

Trp Asp Asn Ser Leu Asn Gly Phe Leu Ser Phe Gly Gly Gly Thr Lys
 225 230 235 240

Val Thr Val Leu Gly
 245

<210> 1861

<211> 252

<212> PRT

<213> Homo sapiens

<400> 1861

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15

Ser Val Lys Val Ser Cys Arg Ala Ser Gly Gly Ser Phe Asn His Ala
 20 25 30

Ile Ser Trp Val Arg Gln Ala Pro Gly Arg Gly Leu Glu Trp Met Gly
 35 40 45

Gly Ile Leu Pro Met Tyr Gly Thr Ala Asn Tyr Ala Gln Lys Phe Gln
 50 55 60

Gly Arg Val Thr Ile Thr Ala Asp Lys Leu Thr Asn Thr Val Tyr Met
 65 70 75 80

Asp Leu Ser Arg Leu Arg Tyr Glu Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

Arg Glu Leu Gly Leu Ser Ile Val Gly Ala Thr Thr Gly Ala Leu Asp
100 105 110

Met Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly
115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu
130 135 140

Thr Gln Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Lys Val Thr Ile
145 150 155 160

Ser Cys Thr Gly Thr Asn Ser Asn Leu Gly Ala Pro Tyr Gly Val Gln
165 170 175

Trp Tyr Gln Gln Leu Pro Gly Lys Ala Pro Arg Leu Leu Ile Tyr Asp
180 185 190

Asp Asn Ile Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Gln
195 200 205

Ser Gly Thr Ser Val Ser Leu Ala Ile Thr Gly Leu Gln Ala Asp Asp
210 215 220

Glu Ala Asp Tyr Tyr Cys Gln Ser Phe Asp Ser Gly Leu Ser Gly Ser
225 230 235 240

Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
245 250

<210> 1862

<211> 255

<212> PRT

<213> Homo sapiens

<400> 1862

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Glu Ala Ser Ala Glu Leu Phe Ala Ser Ser
20 25 30

Asp Ile Asn Trp Val Arg Arg Ala Thr Gly Gln Gly Leu Glu Trp Met

35 40 45
 Gly Trp Val Asn Pro Ser Ser Gly Asn Ala Gly Tyr Ala Glu Lys Phe
 50 55 60
 Glu Gly Arg Val Ser Met Thr Thr Asn Ile Pro Lys Lys Thr Val Tyr
 65 70 75 80
 Met Glu Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Gly Thr Gly Tyr Asp Ile Leu Thr Gly Tyr Tyr Met Gly Ser
 100 105 110
 Ala Phe Asp Gln Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly
 115 120 125
 Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln
 130 135 140
 Ser Val Val Thr Gln Pro Pro Ser Val Ser Gly Ala Pro Gly Gln Arg
 145 150 155 160
 Val Thr Ile Ser Cys Thr Gly Thr Ser Ser Asn Ile Gly Ala Asp Tyr
 165 170 175
 Asp Val His Trp Tyr Arg Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
 180 185 190
 Ile Tyr Gly Asn Asn Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
 195 200 205
 Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Asp Ile Ser Gly Leu Gln
 210 215 220
 Ala Asp Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Phe Asp Arg Ser Leu
 225 230 235 240
 Arg Gly Ser Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250 255

<210> 1863

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1863

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Val Ser Ser Arg
 20 25 30

Thr Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Gly Ser Leu Pro Pro Ser Gly Ala Pro Ile Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Ala Ile Thr Ala Asp Ala Leu Thr Asn Thr Ala Phe
 65 70 75 80

Met Glu Leu Arg Ser Leu Lys Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Gln Gly Arg Tyr Leu Asp Leu Trp Gly Arg Gly Thr Leu
 100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
 115 120 125

Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr Gln Asp Pro Thr Val
 130 135 140

Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Arg Gly Asp Ile
 145 150 155 160

Leu Arg Asn Tyr Tyr Ala Asn Trp Tyr Gln Gln Lys Pro Gly Gln Ala
 165 170 175

Pro Val Leu Val Ile Tyr Gly Lys Asn Ser Arg Pro Ser Gly Ile Pro
 180 185 190

Asp Arg Phe Ser Ala Ser Asn Thr Gly Lys Thr Ser Ser Leu Thr Ile
 195 200 205

Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg
 210 215 220

Asp Ser Ser Gly Asn Pro Gln Val Phe Gly Gly Gly Thr Gln Leu Thr

2219

225

230

235

240

Val Leu Ser

<210> 1864

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1864

Gln Leu Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Lys
 1 5 10 15

Thr Leu Ser Leu Thr Cys Gly Val Tyr Gly Asp Ser Ser Ser Ser Ser
 20 25 30

Asn Trp Trp Ser Trp Val Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp
 35 40 45

Ile Gly Glu Ile His His Ser Gly Thr Thr Asn Tyr Asn Pro Ser Leu
 50 55 60

Asn Ser Arg Val Ser Ile Ser Leu Asp Lys Ser Thr Asn Gln Phe Ser
 65 70 75 80

Leu Asn Leu Asn Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Gly Arg Asp Val Gln Gly Ala Pro Tyr Trp Gly Arg Gly Thr Leu
 100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly
 115 120 125

Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro Ser Ser Val Ser
 130 135 140

Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Thr Ser Ser
 145 150 155 160

Asn Ile Gly Ala Asp Tyr Tyr Val His Trp Tyr Gln Gln Leu Pro Gly
 165 170 175

Thr Ala Pro Lys Val Leu Ile Tyr Gly Asn Ser Asn Arg Pro Ser Gly
 180 185 190

2220

Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu
 195 200 205

Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Gln
 210 215 220

Thr Tyr Asp Ser Ser Leu Ser Gly Trp Val Phe Gly Gly Gly Thr Lys
 225 230 235 240

Leu Thr Val Leu Gly
 245

<210> 1865

<211> 254

<212> PRT

<213> Homo sapiens

<400> 1865

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Leu
 35 40 45

Gly Trp Ile Asn Thr Asn Ser Gly Asp Thr Asn Tyr Ala Gln Lys Ile
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Thr Thr Ser Tyr
 65 70 75 80

Met Glu Leu Met Ser Leu Gly Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Val Glu Gly Val Tyr Asp Ile Leu Thr Gly Tyr Ser Phe Asp
 100 105 110

Ala Phe Asp Ile Trp Gly Arg Gly Thr Thr Val Thr Val Ser Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln
 130 135 140

Ser Val Val Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg
145 150 155 160

Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Thr
165 170 175

Val Asn Trp Tyr Gln Gln Leu Pro Gly Ala Ala Pro Lys Leu Leu Ile
180 185 190

Tyr Ala Asn Ser Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly
195 200 205

Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser
210 215 220

Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Val Trp Asp Asp Ser Leu Asn
225 230 235 240

Gly Trp Val Phe Ala Gly Gly Thr Lys Val Thr Val Leu Gly
245 250

<210> 1866

<211> 254

<212> PRT

<213> Homo sapiens

<400> 1866

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
20 25 30

Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Glu Gln Gly Tyr Asp Ile Leu Thr Gly Tyr Tyr Pro Glu Gly
 100 105 110

Gly Trp Phe Asp Pro Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser
 115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala
 130 135 140

Leu Ser Ser Glu Leu Thr Gln Asp Pro Ala Ala Ser Val Ala Leu Gly
 145 150 155 160

Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Lys Tyr Asp
 165 170 175

Pro Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile
 180 185 190

Tyr Ala Lys Asn Asn Arg Pro Thr Gly Ile Ser Asp Arg Phe Ser Gly
 195 200 205

Ser Ile Ser Gly Asn Thr Gly Ser Leu Thr Ile Thr Gly Ala Gln Pro
 210 215 220

Glu Asp Glu Ala Glu Tyr Tyr Cys Gly Ser Arg Asp Ser Ser Gly Thr
 225 230 235 240

His Leu Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1867

<211> 250

<212> PRT

<213> Homo sapiens

<400> 1867

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15

Ser Val Lys Val Ser Cys Arg Ala Ser Gly Gly Ser Phe Asn His Ala
 20 25 30

Ile Ser Trp Val Arg Gln Ala Pro Gly Arg Gly Leu Glu Trp Met Gly
 35 40 45

Gly Ile Leu Pro Met Tyr Gly Thr Ala Asn Tyr Ala Gln Lys Phe Gln

50 55 60
 Gly Arg Val Thr Ile Thr Ala Asp Lys Leu Thr Asn Thr Val Tyr Met
 65 70 75 80
 Asp Leu Ser Arg Leu Arg Tyr Glu Asp Thr Ala Val Tyr Tyr Cys Ala
 85 90 95
 Arg Glu Leu Gly Leu Ser Ile Val Gly Ala Thr Thr Gly Ala Leu Asp
 100 105 110
 Met Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly
 115 120 125
 Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu
 130 135 140
 Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg
 145 150 155 160
 Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Ser Tyr Ala Ser Trp Tyr
 165 170 175
 Gln Gln Lys Pro Gly Gln Ala Pro Val Met Val Met Phe Gly Glu Asn
 180 185 190
 Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly
 195 200 205
 Asn Thr Ala Ser Leu Thr Ile Thr Gly Thr Gln Ala Glu Asp Glu Ala
 210 215 220
 Asp Tyr Tyr Cys Asn Ser Arg Gly Ser Ile Gly Ser His Val Glu Phe
 225 230 235 240
 Gly Gly Gly Thr Gln Leu Thr Val Leu Ser
 245 250

<210> 1868

<211> 257

<212> PRT

<213> Homo sapiens

<400> 1868

Glu Val Gln Leu His Glu Ser Gly Pro Gly Leu Leu Lys Pro Ser Gln
 1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Asn
 20 25 30
 Ser Ala Ala Trp Asn Trp Ile Thr Gln Ser Pro Ser Thr Gly Leu Glu
 35 40 45
 Trp Leu Gly Arg Thr Tyr Tyr Arg Pro Lys Trp Tyr Asn Asp Tyr Ala
 50 55 60
 Val Ser Ala Lys Ser Arg Ile Thr Ile Asn Pro Asp Thr Ser Lys Asn
 65 70 75 80
 Gln Phe Ser Leu Gln Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
 85 90 95
 Tyr Tyr Cys Ala Arg Asp Lys Ser Tyr Tyr Asp Ile Leu Thr Gly Tyr
 100 105 110
 Tyr Tyr Tyr Tyr Gly Met Asp Val Trp Gly Gln Gly Thr Met Val Thr
 115 120 125
 Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
 130 135 140
 Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro
 145 150 155 160
 Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly
 165 170 175
 Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro
 180 185 190
 Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn
 195 200 205
 Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser
 210 215 220
 Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr
 225 230 235 240
 Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu

245

250

255

Gly

<210> 1869

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1869

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Met Glu Tyr Asp Ile Leu Thr Gly Tyr Tyr Gly Gly Tyr Phe
 100 105 110

Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu
 130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile
 145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser
 165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu
 180 185 190

2226

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys
 195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp
 210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1870

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1870

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Met Glu Tyr Asp Ile Leu Thr Gly Tyr Tyr Gly Gly Tyr Phe
 100 105 110

Asp Tyr Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu
 130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile
145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser
165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu
180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys
195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp
210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val
225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
245 250

<210> 1871

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1871

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu
50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Met Glu Tyr Asp Ile Leu Thr Gly Tyr Tyr Gly Gly Tyr Phe
 100 105 110

Asp Tyr Trp Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr
 130 135 140

Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr
 145 150 155 160

Cys Gln Gly Asp Ser Leu Gly Ser Tyr Tyr Thr Asn Trp Phe Gln Gln
 165 170 175

Lys Pro Gly Gln Ala Pro Leu Leu Val Val Tyr Ala Lys Asn Lys Arg
 180 185 190

Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr
 195 200 205

Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr
 210 215 220

Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly
 225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly
 245

<210> 1872

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1872

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu

50 55 60
 Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr
 65 70 75 80
 Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Met Glu Tyr Asp Ile Leu Thr Gly Tyr Tyr Gly Gly Tyr Phe
 100 105 110
 Asp Tyr Trp Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly
 115 120 125
 Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu
 130 135 140
 Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile
 145 150 155 160
 Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser
 165 170 175
 Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu
 180 185 190
 Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys
 195 200 205
 Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp
 210 215 220
 Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val
 225 230 235 240
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1873

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1873

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15

2230

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Lys Tyr Asp Ile Leu Thr Gly Tyr Tyr Asp Ala Phe Asp
 100 105 110

Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly
 115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln
 130 135 140

Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys
 145 150 155 160

Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Thr Asn Trp Phe Gln Gln Lys
 165 170 175

Pro Gly Gln Ala Pro Leu Leu Val Val Tyr Ala Lys Asn Lys Arg Pro
 180 185 190

Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala
 195 200 205

Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr
 210 215 220

Cys His Ser Arg Asp Ser Ser Gly Asn His Val Leu Phe Gly Gly Gly
 225 230 235 240

Thr Lys Leu Thr Val Leu Gly

245

<210> 1874

<211> 252

<212> PRT

<213> Homo sapiens

<400> 1874

Gln Val Asn Leu Arg Glu Ser Gly Gly Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Ser Asn Thr
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Ala Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Met Gly Tyr Asp Ile Leu Thr Gly Tyr Tyr Leu Asn Tyr
 100 105 110

Met Asp Val Trp Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val
 130 135 140

Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr
 145 150 155 160

Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val
 165 170 175

Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr
 180 185 190

Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser
 195 200 205

2232

Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu
 210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg
 225 230 235 240

Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1875

<211> 252

<212> PRT

<213> Homo sapiens

<400> 1875

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Pro Gly Tyr Thr Phe Thr Ser Tyr
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Met Gly Tyr Asp Ile Leu Thr Gly Tyr Tyr Leu Asn Tyr
 100 105 110

Met Asp Val Trp Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val
 130 135 140

Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr
 145 150 155 160

Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val
 165 170 175

Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr
 180 185 190

Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser
 195 200 205

Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu
 210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg
 225 230 235 240

Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1876

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1876

Gln Val Asn Leu Arg Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Gly Tyr
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Ser Val Arg Asn Asp Gly Ser Asn Thr Tyr Tyr Thr Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Val Arg Met Glu Tyr Asp Ile Leu Thr Gly Tyr Tyr Gly Gly Tyr Phe
 100 105 110

Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met
 130 135 140

Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly Asp Arg Val Thr
 145 150 155 160

Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Trp Leu Ala Trp Tyr
 165 170 175

Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu Ile Tyr Lys Ala Ser
 180 185 190

Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly
 195 200 205

Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala
 210 215 220

Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Trp Thr Phe Gly Gln
 225 230 235 240

Gly Thr Lys Leu Glu Ile Lys Arg
 245

<210> 1877

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1877

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr

2235

2236

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Met Glu Tyr Asp Ile Leu Thr Gly Tyr Tyr Gly Gly Tyr Phe
 100 105 110

Asp Tyr Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu
 130 135 140

Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile
 145 150 155 160

Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser
 165 170 175

Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu
 180 185 190

Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys
 195 200 205

Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp
 210 215 220

Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1879

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1879

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
 20 25 30

Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Met Glu Tyr Asp Ile Leu Thr Gly Tyr Tyr Gly Gly Tyr Phe
 100 105 110

Asp Tyr Trp Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met
 130 135 140

Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly Asp Arg Val Thr
 145 150 155 160

Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Trp Leu Ala Trp Tyr
 165 170 175

Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu Ile Tyr Lys Ala Ser
 180 185 190

Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly
 195 200 205

Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala
 210 215 220

2238

Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Trp Thr Phe Gly Gln
 225 230 235 240

Gly Thr Lys Leu Glu Ile Lys Arg
 245

<210> 1880

<211> 253

<212> PRT

<213> Homo sapiens

<400> 1880

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
 20 25 30

Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Ser His Tyr Asp Ile Leu Thr Gly Tyr Tyr Ser Asn Pro
 100 105 110

Ser Phe Asp Ile Trp Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gln Ser
 130 135 140

Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser Ile
 145 150 155 160

Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn Tyr
 165 170 175

Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile
180 185 190

Tyr Lys Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg Phe Ser Gly
195 200 205

Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln Ala
210 215 220

Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr
225 230 235 240

Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
245 250

<210> 1881

<211> 244

<212> PRT

<213> Homo sapiens

<400> 1881

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
20 25 30

Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Ser Gly Ser Tyr Tyr Tyr Asp Ala Phe Asp Ile Trp Gly
100 105 110

Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Val Met Thr Gln Ser Pro
 130 135 140

Ser Thr Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg
 145 150 155 160

Ala Ser Gln Gly Ile Ser Ser Trp Leu Ala Trp Tyr Gln Gln Lys Pro
 165 170 175

Gly Lys Ala Pro Lys Leu Leu Ile Tyr Ala Ala Ser Ser Leu Gln Ser
 180 185 190

Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
 195 200 205

Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys
 210 215 220

Gln Gln Ala Asn Ser Phe Pro Leu Thr Phe Gly Gly Gly Thr Lys Val
 225 230 235 240

Glu Ile Lys Arg

<210> 1882

<211> 239

<212> PRT

<213> Homo sapiens

<400> 1882

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Ser Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Val Val Ser Ser Asp Gly Gly Asn Lys Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Asp Asp Thr Ala Val Tyr Tyr Cys

85 90 95

Ala Lys Thr Gly Ser Gly Phe Asp Tyr Trp Gly Arg Gly Thr Leu Val
100 105 110

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala
130 135 140

Ser Ile Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu Gly Ile
145 150 155 160

Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys
165 170 175

Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala Ser Gly Ala Pro Ser Arg
180 185 190

Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser
195 200 205

Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Ser Asn
210 215 220

Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg
225 230 235

<210> 1883
<211> 243
<212> PRT
<213> Homo sapiens

<400> 1883
Lys Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Val Thr Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Gly Ile Ser Tyr Asp Gly Ala Lys Glu Tyr Tyr Gly Asp Pro Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Thr Lys Lys Thr Leu Asn
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Gly Tyr Arg Thr Asn Asp Ala Leu Asp Ile Trp Gly Gln
 100 105 110

Gly Thr Leu Ala Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser
 130 135 140

Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr Cys Arg Ala
 145 150 155 160

Ser Glu Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly
 165 170 175

Lys Ala Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala Ser Gly
 180 185 190

Ala Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu
 195 200 205

Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln
 210 215 220

Gln Tyr Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu
 225 230 235 240

Ile Lys Arg

<210> 1884

<211> 242

<212> PRT

<213> Homo sapiens

<400> 1884

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr
 20 25 30

Gly Met His Trp Val Arg Gln Arg Pro Gly Lys Gly Leu Glu Trp Ile
 35 40 45

Ala Phe Ile Gly Ser Asp Gly Ser Asn Lys Tyr Tyr Gly Asp Thr Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Gly Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Trp Asp Met Asp Val Trp Gly Gln Gly Thr Met Val Thr
 100 105 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser Ser His Val Ile Leu Thr Gln Pro Arg Ser Val Ser Gly Ser
 130 135 140

Pro Gly Gln Ser Val Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val
 145 150 155 160

Gly Gly Tyr His Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala
 165 170 175

Pro Arg Leu Met Ile Tyr Glu Val Thr Lys Arg Pro Ser Gly Val Ser
 180 185 190

Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile
 195 200 205

Ser Gly Val Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr
 210 215 220

Thr Ser Ala Ser Thr Val Ile Phe Gly Gly Gly Thr Lys Leu Thr Val
 225 230 235 240

Leu Gly

<210> 1885

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1885

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Arg Val Ser Cys Lys Ser Ser Gly Tyr Thr Phe Thr Asn Tyr
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Ser Asn Asn Asn Gly Lys Thr Tyr Tyr Ala Gln Lys Val
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Asp Tyr
 65 70 75 80

Met Glu Leu Arg Gly Leu Arg Ser Asp Asp Thr Ala Ile Tyr Tyr Cys
 85 90 95

Ala Arg Asp Asn Gly Gly Gly Thr Ile Gly Phe Asp Tyr Trp Gly Arg
 100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro Ser
 130 135 140

Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Met Ser Cys Thr Gly
 145 150 155 160

Ser Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln Gln
 165 170 175

Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Asp Asn Thr Asn Arg
 180 185 190

Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Arg Ser Gly Thr Ser
 195 200 205

Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr
 210 215 220

Phe Cys Gln Ser Tyr Asp Ile Thr Leu Ser Ala Val Phe Gly Thr Gly
 225 230 235 240

Thr Lys Val Thr Val Leu Gly
 245

<210> 1886
 <211> 240
 <212> PRT
 <213> Homo sapiens

<400> 1886
 Gly Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Thr Ser Gly Phe Arg Phe Ser Asp Tyr
 20 25 30

Ala Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Ser Ile Thr Gly Ser Gly Gly Gly Thr His Tyr Ala Gly Ser Val
 50 55 60

Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr
 65 70 75 80

Leu Gln Met Asn Asn Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Ser Phe Val Leu Asp Tyr Trp Gly Lys Gly Thr Leu Val Thr Val
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly
 130 135 140

Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly
 145 150 155 160

Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys
165 170 175

Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg
180 185 190

Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly
195 200 205

Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr
210 215 220

Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
225 230 235 240

<210> 1887

<211> 241

<212> PRT

<213> Homo sapiens

<400> 1887

Glu Val Gln Leu Val Gln Ser Arg Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Leu Thr Phe Ser Ser Tyr
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Val Ile Ser Tyr Asp Gly Arg Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Thr Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Lys Trp Thr Ser Ser Gly Ala Phe Asp Ile Trp Gly Arg Gly Thr
100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
115 120 125

Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu

2247

130 135 140
 Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu
 145 150 155 160
 Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala
 165 170 175
 Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala Ser Gly Ala Pro
 180 185 190
 Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile
 195 200 205
 Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys His Gln Tyr
 210 215 220
 Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
 225 230 235 240

Arg

<210> 1888
 <211> 241
 <212> PRT
 <213> Homo sapiens

<400> 1888
 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr
 20 25 30
 Gly Met His Trp Val Arg Gln Arg Pro Gly Lys Gly Leu Glu Trp Ile
 35 40 45
 Ala Phe Ile Gly Ser Asp Gly Ser Asn Lys Tyr Tyr Gly Asp Thr Val
 50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Arg Ala Glu Gly Thr Ala Val Tyr Tyr Cys
 85 90 95

2248

Ala Arg Asp Trp Asp Met Asp Val Trp Gly Gln Gly Thr Met Val Thr
 100 105 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser His Val Ile Leu Thr Gln Pro Arg Ser Val Ser Gly Ser Pro
 130 135 140

Gly Gln Ser Val Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly
 145 150 155 160

Gly Tyr His Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro
 165 170 175

Arg Leu Met Ile Tyr Glu Val Thr Lys Arg Pro Ser Gly Val Ser Asn
 180 185 190

Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser
 195 200 205

Gly Val Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr
 210 215 220

Ser Ala Ser Thr Val Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
 225 230 235 240

Gly

<210> 1889

<211> 241

<212> PRT

<213> Homo sapiens

<400> 1889

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Asn Ile Lys Gln Asp Gly Ser Glu Lys Tyr Tyr Val Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Asn Leu His Ala Ala Phe Asp Ile Trp Gly Arg Gly Thr
100 105 110

Leu Val Thr Val Ser Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
115 120 125

Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu
130 135 140

Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu
145 150 155 160

Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala
165 170 175

Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala Ser Gly Ala Pro
180 185 190

Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile
195 200 205

Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr
210 215 220

Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
225 230 235 240

Arg

<210> 1890

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1890

2250

Gln Met Gln Leu Val Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30
 Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Ala Val Ile Ser Tyr Asp Gly Ser Ile Lys Tyr Tyr Ala Asp Ser Val
 50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Tyr Tyr Tyr His Ser Ser Gly Ser Asp Ala Phe Asp Ile Trp
 100 105 110
 Gly Gln Gly Thr Leu Val Thr Val Pro Ser Gly Gly Gly Gly Ser Gly
 115 120 125
 Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro
 130 135 140
 Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Ser Cys Ser
 145 150 155 160
 Gly Ser Ser Ser Asn Ile Gly Ser Asn Thr Val Asn Trp Tyr Gln Arg
 165 170 175
 Leu Pro Gly Ala Ala Pro Gln Leu Leu Ile Tyr Asn Asn Asn Gln Arg
 180 185 190
 Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser
 195 200 205
 Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr
 210 215 220
 Tyr Cys Ala Ala Trp Asp Asp Ser Leu Asn Gly Trp Val Phe Gly Gly
 225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly
245

<210> 1891

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1891

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Lys Gln Pro Gly Thr
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Ser Cys Tyr
20 25 30

Asp Val Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Arg Ile Asn Pro Asn Ser Gly Asn Thr His Tyr Ala Gln Lys Phe
50 55 60

Gln Asp Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Asn Ser Leu Arg Pro Asp Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Arg Val Gly Ile Lys Ala Ala Ala Val Asp Asn Phe Glu Tyr Trp
100 105 110

Gly Arg Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln
130 135 140

Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Thr Cys
145 150 155 160

Ser Gly Ser Ser Ser Asn Ile Gly Asp Tyr Tyr Val Asn Trp Tyr Gln
165 170 175

Gln Val Ser Gly Thr Thr Pro Lys Leu Ile Ile Tyr Arg Asp Asp Gln
180 185 190

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Ala
 195 200 205

Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu Asp Glu Ala Asn
 210 215 220

Tyr Phe Cys Ala Ala Trp Asp Asp Ser Leu Arg Glu Phe Ala Phe Gly
 225 230 235 240

Thr Gly Thr Lys Val Thr Val Leu Gly
 245

<210> 1892

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1892

Gln Val Thr Leu Lys Glu Ser Gly Gly Asp Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Leu Thr Phe Met Ser Tyr
 20 25 30

Ala Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Ser Ile Ser Gly Ser Gly Asp Asn Thr Tyr Tyr Gly Asp Ser Val
 50 55 60

Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Phe
 65 70 75 80

Leu Gln Leu Asn Ser Leu Arg Ala Glu Asp Thr Ala Phe Tyr Tyr Cys
 85 90 95

Ala Lys Val His Ser Thr Gly Tyr Ala Phe Glu Asn Trp Gly Arg Gly
 100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro Ser
 130 135 140

Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Ser

2253

2254

Met Asp Val Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser
130 135 140

Tyr Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg
145 150 155 160

Val Thr Ile Thr Cys Ser Gly Ser Ser Ser Asn Ile Gly Asn Tyr Tyr
165 170 175

Val Asn Trp Tyr Gln Gln Val Ser Gly Thr Ala Pro Lys Leu Ile Ile
180 185 190

Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly
195 200 205

Ser Lys Ser Gly Ala Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser
210 215 220

Glu Asp Glu Ala Asp Tyr Phe Cys Ala Ala Trp Asp Asp Ser Leu Arg
225 230 235 240

Glu Phe Val Phe Gly Thr Gly Thr Lys Val Thr Val Leu Gly
245 250

<210> 1894

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1894

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Leu Lys Gln Pro Gly Thr
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Ser Ser Tyr
20 25 30

Gly Val Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Val Ser Gly Asn Arg Gly Asn Thr Gln Tyr Ala Gln Lys Phe
50 55 60

Gln Asp Arg Val Arg Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Arg Ser Leu Arg Pro Asp Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Arg Val Gly Ile Lys Ala Ala Ala Val Asp Asn Phe Glu Tyr Trp
100 105 110

Gly Arg Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln
130 135 140

Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Thr Cys
145 150 155 160

Ser Gly Ser Ser Ser Asn Ile Gly Asp Tyr Tyr Val Asn Trp Tyr Gln
165 170 175

Gln Val Ser Gly Thr Thr Pro Lys Leu Ile Ile Tyr Arg Asp Asp Gln
180 185 190

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Ala
195 200 205

Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu Asp Glu Ala Asn
210 215 220

Tyr Phe Cys Ala Ala Trp Asp Asp Ser Leu Arg Glu Phe Ala Phe Gly
225 230 235 240

Thr Gly Thr Lys Val Thr Val Leu Gly
245

<210> 1895

<211> 253

<212> PRT

<213> Homo sapiens

<400> 1895

Glu Val Gln Leu Val Gln Ser Gly Ala Ala Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Thr Tyr
 20 25 30
 Tyr Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Ile Ile Asn Pro Val Asn Gly Asn Thr Ile Tyr Ala Gln Lys Phe
 50 55 60
 Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Gly Thr Val Asn
 65 70 75 80
 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Phe Tyr Cys
 85 90 95
 Val Arg Glu Gly Gly Gly Asp Ala Tyr Asp Val Ala Pro Tyr Tyr Phe
 100 105 110
 Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
 115 120 125
 Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val
 130 135 140
 Leu Thr Gln Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr
 145 150 155 160
 Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Asp Gly Tyr Asp Val
 165 170 175
 His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr
 180 185 190
 Gly Asn Ser His Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser
 195 200 205
 Lys Ser Asp Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Val Glu
 210 215 220
 Asp Glu Ala Asp Tyr Phe Cys His Ser Tyr Asp Ser Ser Val Ser Gly
 225 230 235 240
 Trp Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1896

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1896

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
 20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Gln Arg Leu Glu Trp Met
 35 40 45

Gly Trp Ile Asn Ala Gly Asn Gly Asn Thr Lys Tyr Ser Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Ile Thr Arg Asp Thr Ser Ala Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Gly Pro Gly Tyr Tyr Tyr Gly Met Asp Val Trp Gly Gln
 100 105 110

Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Leu Glu Thr Thr Leu Thr Gln Ser
 130 135 140

Pro Gly Thr Leu Ser Leu Ser Pro Gly Glu Arg Ala Thr Leu Ser Cys
 145 150 155 160

Arg Ala Ser Gln Ala Ile Gly Ser Asn Tyr Leu Ala Trp Tyr Gln Gln
 165 170 175

Lys Pro Gly Gln Pro Pro Ser Leu Leu Ile Tyr Gly Ala Ser Ser Arg
 180 185 190

Ala Thr Gly Ile Pro Asp Arg Phe Ser Ala Ser Gly Ser Gly Thr Asp
 195 200 205

Phe Thr Leu Thr Ile Ser Arg Leu Glu Pro Glu Asp Phe Ala Val Tyr
 210 215 220

Tyr Cys Gln Gln Tyr Gly Ser Ser Ile Thr Phe Gly Gln Gly Thr Arg
 225 230 235 240

Leu Glu Ile Lys Arg
 245

<210> 1897

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1897

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Arg Val Ser Cys Lys Ser Ser Gly Tyr Thr Phe Thr Asn Tyr
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Ser Asn Asn Asn Gly Lys Thr Tyr Tyr Ala Gln Lys Val
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Asp Tyr
 65 70 75 80

Met Glu Leu Arg Gly Leu Arg Ser Asp Asp Thr Ala Ile Tyr Tyr Cys
 85 90 95

Ala Arg Asp Asn Gly Gly Gly Thr Ile Gly Phe Asp Tyr Trp Gly Gln
 100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro
 130 135 140

Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly
 145 150 155 160

Ser Ser Ser Asn Ile Gly Ala Asp Tyr Asp Val His Trp Tyr Gln Leu

2259

165 170 175
 Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Thr Asn Arg
 180 185 190
 Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser
 195 200 205
 Ala Ser Leu Thr Ile Ala Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr
 210 215 220
 Tyr Cys Gln Ser Tyr Asp Ser Ser Leu Ser Gly Ser Val Val Phe Gly
 225 230 235 240
 Gly Gly Thr Lys Leu Thr Val Leu Gly
 245
 <210> 1898
 <211> 240
 <212> PRT
 <213> Homo sapiens
 <400> 1898
 Gln Val Gln Leu Gln Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Tyr Ser Ser Tyr
 20 25 30
 Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Ala Val Ile Ser Tyr Asp Gly Ser Ile Lys Tyr Tyr Ala Asp Ser Val
 50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Asp Leu Asp Phe Asp Tyr Trp Gly Lys Gly Thr Leu Val Thr
 100 105 110
 Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

2260

Gly Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Val Ser Ala Ala Pro
 130 135 140

Gly Gln Lys Val Thr Ile Ser Cys Ser Gly Ser Thr Ser Asn Ile Gly
 145 150 155 160

Asn Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys
 165 170 175

Phe Met Ile Tyr Asp Val Ser Lys Arg Pro Ser Gly Val Ser Asn Arg
 180 185 190

Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly
 195 200 205

Val Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Ser
 210 215 220

Ala Ser Thr Val Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 225 230 235 240

<210> 1899

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1899

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Gly
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Ala Tyr Thr Phe Thr Arg Tyr
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Ile Ile Asn Pro Ser Gly Gly Arg Thr Ser Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Leu Gly Ile Ala Gly Thr Ile Tyr Phe Asp Tyr Trp Gly
 100 105 110

Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro
 130 135 140

Ser Val Ser Ala Ala Pro Gly Gln Lys Val Thr Ile Ser Cys Ser Gly
 145 150 155 160

Ser Thr Ser Asn Ile Gly Asn Asn Tyr Val Ser Trp Tyr Gln Gln His
 165 170 175

Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Asp Val Ser Lys Arg Pro
 180 185 190

Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Asn Ser Ala
 195 200 205

Ser Leu Asp Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr
 210 215 220

Cys Ala Ala Trp Asp Asp Ser Leu Ser Glu Phe Leu Phe Gly Thr Gly
 225 230 235 240

Thr Lys Leu Thr Val Leu Gly
 245

<210> 1900

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1900

Gln Val Gln Leu Val Gln Ser Gly Ser Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Thr Ser Gly Tyr Ser Phe Thr Gly Tyr
 20 25 30

Phe Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Leu Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Lys Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Ala Ser Arg Asp Ile Val Val Leu Pro Leu Ala Ile Trp
 100 105 110

Gly Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser
 130 135 140

Pro Ser Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr Cys
 145 150 155 160

Arg Ala Ser Glu Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys
 165 170 175

Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala
 180 185 190

Ser Gly Ala Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe
 195 200 205

Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr
 210 215 220

Cys Gln Gln Tyr Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys
 225 230 235 240

Leu Glu Ile Lys Arg
 245

<210> 1901

<211> 241

<212> PRT

<213> Homo sapiens

<400> 1901

Glu Val Gln Leu Val Gln Ser Arg Gly Gly Val Val Gln Pro Gly Arg

2264

Arg

<210> 1902

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1902

Gln Met Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Leu Val His Pro Asn Asp Gly Ser Val Asn Tyr Ala Gln Lys Phe
 50 55 60

Lys Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Arg Gly Ser Gly Trp Pro Asn Trp Tyr Phe Asp Leu Trp
 100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser
 130 135 140

Pro Ser Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr Cys
 145 150 155 160

Arg Ala Ser Glu Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys
 165 170 175

Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala
 180 185 190

Ser Gly Ala Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe

2265

195 200 205
 Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr
 210 215 220
 Cys Gln Gln Tyr Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys
 225 230 235 240
 Leu Glu Ile Lys His
 245
 <210> 1903
 <211> 247
 <212> PRT
 <213> Homo sapiens
 <400> 1903
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Glu Tyr Thr Phe Tyr Asn His
 20 25 30
 Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Phe Ile Asn Pro Ser Gly Asp Ala Ala Trp Tyr Ala Gln Lys Phe
 50 55 60
 Gln Gly Arg Val Thr Leu Thr Arg Asp Thr Ser Thr Arg Thr Val Tyr
 65 70 75 80
 Met Glu Leu Ser Gly Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Glu Ser Gly Ala Gly Gly Tyr Tyr Tyr Asp Asp Tyr Trp Gly
 100 105 110
 Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
 115 120 125
 Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Tyr Val Leu Thr Gln
 130 135 140
 Pro Pro Ser Val Ser Val Ala Pro Gly Lys Thr Ala Ser Ile Pro Cys
 145 150 155 160

Gly Gly Asn Asn Ile Gly Ser Lys Ser Val Gln Trp Tyr Leu Gln Lys
 165 170 175

Ala Gly Gln Ala Pro Ile Leu Val Val Tyr Asp Asp Ser Asp Arg Pro
 180 185 190

Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser Asn Ser Gly Asn Thr Ala
 195 200 205

Thr Leu Thr Ile Thr Arg Val Glu Ala Gly Asp Glu Ala Asp Tyr Tyr
 210 215 220

Cys Gln Val Trp Asp Ser Ser Ser Asp His Trp Phe Phe Gly Gly Gly
 225 230 235 240

Thr Lys Leu Thr Val Leu Gly
 245

<210> 1904

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1904

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Leu Lys Gln Pro Gly Thr
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Ser Ser Tyr
 20 25 30

Gly Val Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Val Ser Gly Asn Arg Gly Asn Thr Gln Tyr Ala Gln Lys Phe
 50 55 60

Gln Asp Arg Val Arg Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Pro Asp Asp Thr Asp Val Tyr Phe Cys
 85 90 95

Ala Arg Val Gly Ile Lys Ala Ala Ala Val Asp Asn Phe Glu Tyr Trp
 100 105 110

Gly Arg Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln
 130 135 140

Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Thr Cys
 145 150 155 160

Ser Gly Ser Ser Ser Asn Ile Gly Asp Tyr Tyr Val Asn Trp Tyr Gln
 165 170 175

Gln Val Ser Gly Thr Thr Pro Lys Leu Ile Ile Tyr Arg Asp Asp Gln
 180 185 190

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Ala
 195 200 205

Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu Asp Glu Ala Asn
 210 215 220

Tyr Phe Cys Ala Ala Trp Asp Asp Ser Leu Arg Glu Phe Ala Phe Gly
 225 230 235 240

Thr Gly Thr Lys Val Thr Val Leu Gly
 245

<210> 1905

<211> 240

<212> PRT

<213> Homo sapiens

<400> 1905

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Thr Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Met Val Thr Val
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly
 130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser
 145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu
 165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe
 180 185 190

Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu
 195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser
 210 215 220

Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 225 230 235 240

<210> 1906

<211> 237

<212> PRT

<213> Homo sapiens

<400> 1906

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

35 40 45
 Ser Tyr Ile Ser Ser Ser Gly Ser Thr Thr Tyr Tyr Ala Asp Ser Val
 50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val
 100 105 110
 Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125
 Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val
 130 135 140
 Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser
 145 150 155 160
 Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu
 165 170 175
 Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser
 180 185 190
 Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln
 195 200 205
 Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro
 210 215 220
 Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
 225 230 235

 <210> 1907
 <211> 238
 <212> PRT
 <213> Homo sapiens

 <400> 1907
 Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala Ser
 1 5 10 15

Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr Gly
 20 25 30

Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met Gly
 35 40 45

Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe Gln
 50 55 60

Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr Met
 65 70 75 80

Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys Ala
 85 90 95

Arg Asn Leu Trp Gly Leu Asp Tyr Trp Gly Lys Gly Thr Met Val Thr
 100 105 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly
 130 135 140

Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr
 145 150 155 160

Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile
 165 170 175

Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly
 180 185 190

Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala
 195 200 205

Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn
 210 215 220

His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 225 230 235

<210> 1908

2271

<211> 244

<212> PRT

<213> Homo sapiens

<400> 1908

Gly Val Gln Leu Glu Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Gly Asn Ala Trp Gly Ala Phe Asp Ile Trp Gly Arg Ser Thr
 100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
 115 120 125

Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser
 130 135 140

Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser
 145 150 155 160

Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly
 165 170 175

Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly
 180 185 190

Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu
 195 200 205

Thr Val Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser
 210 215 220

2272

Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu
 225 230 235 240

Thr Val Leu Gly

<210> 1909

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1909

Gln Val Gln Leu Gln Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Glu Ala Ser Gly Phe Thr Phe Ser His Tyr
 20 25 30

Trp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Ala Val
 35 40 45

Ala Ser Ile Lys Arg Asp Gly Ser Gln Gln Tyr Tyr Leu Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Ser
 65 70 75 80

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Gly Val Ala Ala Gly Glu Asp Tyr Trp Gly Arg Gly Thr
 100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
 115 120 125

Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Val Ser
 130 135 140

Ala Ala Pro Gly Gln Lys Val Thr Ile Ser Cys Ser Gly Ser Asn Ser
 145 150 155 160

Asn Ile Gly Asn Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys
 165 170 175

Val Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val
 180 185 190

Ser Asn Arg Phe Ser Ala Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr
 195 200 205

Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser
 210 215 220

Tyr Thr Ser Ser Ser Thr Tyr Ala Phe Gly Thr Gly Thr Lys Leu Thr
 225 230 235 240

Val Leu Gly

<210> 1910

<211> 244

<212> PRT

<213> Homo sapiens

<400> 1910

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asp Phe Met Tyr Tyr
 20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Val Ile Trp Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Lys Gly Gly Met Asp Trp Asp Phe Asp Tyr Trp Gly Arg Gly Thr
 100 105 110

Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser
 115 120 125

Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser
 130 135 140

Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser
 145 150 155 160

Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly
 165 170 175

Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly
 180 185 190

Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu
 195 200 205

Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser
 210 215 220

Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu
 225 230 235 240

Thr Val Leu Gly

<210> 1911

<211> 241

<212> PRT

<213> Homo sapiens

<400> 1911

Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr
 20 25 30

Tyr Met Ser Trp Ile Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Ser Ser Ser Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys

85 90 95
 Ala Arg Val Asp Ser Ser Gly Tyr Ala Tyr Tyr Trp Gly Lys Gly Thr
 100 105 110
 Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
 115 120 125
 Gly Gly Gly Gly Ser Ser Glu Leu Ala Gln Asp Pro Ala Val Ser Val
 130 135 140
 Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg
 145 150 155 160
 Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val
 165 170 175
 Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg
 180 185 190
 Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly
 195 200 205
 Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser
 210 215 220
 Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
 225 230 235 240
 Gly
 <210> 1912
 <211> 240
 <212> PRT
 <213> Homo sapiens
 <400> 1912
 Gln Val Gln Leu Val Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30
 Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Ile Lys Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Ala Ala Val Thr Ala Glu Gly Trp Gly Lys Gly Thr Leu
 100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
 115 120 125

Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala
 130 135 140

Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser
 145 150 155 160

Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu
 165 170 175

Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe
 180 185 190

Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala
 195 200 205

Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser
 210 215 220

Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 225 230 235 240

<210> 1913

<211> 246

<212> PRT

<213> Homo sapiens

<400> 1913

Gln Val Gln Leu Leu Gln Ser Ala Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Ile Thr Asn Tyr
 20 25 30
 Phe Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Ile Ile Asn Pro Ser Gly Asp Thr Thr Trp Ser Ala Pro Lys Phe
 50 55 60
 Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
 65 70 75 80
 Met Glu Val Ser Ser Leu Arg Thr Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Gly Ser Asn Tyr Ser Pro Asp Ala Phe Asp Ile Trp Gly Gln
 100 105 110
 Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125
 Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro Ser
 130 135 140
 Val Ser Ala Ala Pro Gly Gln Lys Val Thr Ile Ser Cys Ser Gly Ser
 145 150 155 160
 Thr Ser Asn Ile Gly Asn Asn Tyr Val Ser Trp Tyr Gln Gln His Pro
 165 170 175
 Gly Lys Ala Pro Lys Leu Met Ile Tyr Asp Val Ser Lys Arg Pro Ser
 180 185 190
 Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Asn Ser Ala Ser
 195 200 205
 Leu Asp Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys
 210 215 220
 Ala Ala Trp Asp Asp Ser Leu Ser Glu Phe Leu Phe Gly Thr Gly Thr
 225 230 235 240
 Lys Leu Thr Val Leu Gly
 245

<210> 1914

<211> 255

<212> PRT

<213> Homo sapiens

<400> 1914

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
 20 25 30

Trp Met Tyr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Gly Arg Ile Arg Ser Lys Ser Asp Gly Gly Thr Thr Asp Tyr Ala Ala
 50 55 60

Pro Val Glu Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Tyr Thr
 65 70 75 80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Ser Glu Asp Thr Ala Val Tyr
 85 90 95

Tyr Cys Met Ser Leu Pro Pro Asp Leu Arg Tyr Cys Asp Gly Gly Ile
 100 105 110

Cys Pro Gly Phe Asp Trp Leu Gly Pro Trp Gly Gln Gly Thr Leu Val
 115 120 125

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
 130 135 140

Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu
 145 150 155 160

Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr
 165 170 175

Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val
 180 185 190

Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser
 195 200 205

Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln
 210 215 220

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys His Ser Arg Asp Ser Ser Gly
 225 230 235 240

Asn His Val Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250 255

<210> 1915

<211> 242

<212> PRT

<213> Homo sapiens

<400> 1915

Gln Val Gln Leu Leu Gln Ser Ala Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
 20 25 30

Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Gly Pro Ser Tyr Tyr Tyr Tyr Met Ala Val Trp Gly Gln Gly
 100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Phe
 130 135 140

Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser
 145 150 155 160

Gln Gly Ile Asn Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg
 165 170 175

Ala Pro Lys Leu Leu Ile Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val
 180 185 190

Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
 195 200 205

Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Leu Gln
 210 215 220

Asp Ser Asp Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile
 225 230 235 240

Lys Arg

<210> 1916

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1916

Gln Val Gln Leu Gln Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Trp Glu Ala Ser Gly Phe Thr Phe Ser His Tyr
 20 25 30

Trp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Ala Val
 35 40 45

Ala Ser Ile Lys Arg Asp Gly Ser Gln Gln Tyr Tyr Leu Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Ser
 65 70 75 80

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Gly Val Ala Ala Gly Glu Asp Tyr Trp Gly Arg Gly Thr
 100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser

115 120 125
 Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Val Ser
 130 135 140
 Ala Ala Pro Gly Gln Lys Val Thr Ile Ser Cys Ser Gly Ser Asn Ser
 145 150 155 160
 Asn Ile Gly Asn Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys
 165 170 175
 Val Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val
 180 185 190
 Ser Asn Arg Phe Ser Ala Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr
 195 200 205
 Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser
 210 215 220
 Tyr Thr Ser Ser Ser Thr Tyr Ala Phe Gly Thr Gly Thr Lys Leu Thr
 225 230 235 240
 Val Leu Gly

<210> 1917
 <211> 246
 <212> PRT
 <213> Homo sapiens

<400> 1917
 Gln Val Gln Leu Met Gln Ser Ala Ala Glu Glu Asn Lys Pro Gly Pro
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Ile Thr Asn Tyr
 20 25 30
 Phe Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Ile Ile Asn Pro Ser Gly Asp Thr Thr Trp Ser Ala Pro Lys Phe
 50 55 60
 Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
 65 70 75 80

Met Glu Val Ser Ser Leu Arg Thr Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Ser Asn Tyr Ser Pro Asp Ala Phe Asp Ile Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro Ser
130 135 140

Val Ser Ala Ala Pro Gly Gln Lys Val Thr Ile Ser Cys Ser Gly Ser
145 150 155 160

Thr Ser Asn Ile Gly Asn Asn Tyr Val Ser Trp Tyr Gln Gln His Pro
165 170 175

Gly Lys Ala Pro Lys Leu Met Ile Tyr Asp Val Ser Lys Arg Pro Ser
180 185 190

Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Asn Ser Ala Ser
195 200 205

Leu Asp Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys
210 215 220

Ala Ala Trp Asp Asp Ser Leu Ser Glu Phe Leu Phe Gly Thr Gly Thr
225 230 235 240

Lys Leu Thr Val Leu Gly
245

<210> 1918

<211> 240

<212> PRT

<213> Homo sapiens

<400> 1918

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Ser Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Ser Leu Leu Ser Asp Tyr Trp Gly Arg Gly Thr Thr Val Thr Val
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly
 130 135 140

Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly
 145 150 155 160

Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys
 165 170 175

Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Tyr Arg
 180 185 190

Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly
 195 200 205

Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr
 210 215 220

Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 225 230 235 240

<210> 1919

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1919

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
 20 25 30
 Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe
 50 55 60
 Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
 65 70 75 80
 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Asp Leu Ser Gly Ser Tyr Phe Ser Arg Tyr Phe Asp Tyr Trp
 100 105 110
 Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
 115 120 125
 Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro
 130 135 140
 Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly
 145 150 155 160
 Asp Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly
 165 170 175
 Gln Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly
 180 185 190
 Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu
 195 200 205
 Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn
 210 215 220
 Ser Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys
 225 230 235 240

Leu Thr Val Leu Gly
245

<210> 1920

<211> 246

<212> PRT

<213> Homo sapiens

<400> 1920

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Ile Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser His Ser
20 25 30

Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Gly Ile Ile Pro Leu Phe Gly Ser Ala Asn Tyr Ala Glu Arg Phe
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Val Ala Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Thr Ser Leu Thr Ser Glu Asp Thr Ala Met Tyr Phe Cys
85 90 95

Ala Arg Val Glu Trp Glu Asp Ile Val Val Gly Ser Ala Phe Asp Ile
100 105 110

Trp Gly Lys Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln
130 135 140

Ser Pro Ser Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr
145 150 155 160

Cys Arg Ala Ser Glu Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln
165 170 175

Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu
180 185 190

Ala Ser Gly Ala Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp
 195 200 205

Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr
 210 215 220

Tyr Cys Gln Gln Tyr Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr
 225 230 235 240

Lys Leu Glu Ile Lys Arg
 245

<210> 1921

<211> 251

<212> PRT

<213> Homo sapiens

<400> 1921

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Val Thr Ser Leu Tyr Ser Ser Ser Ser Gly Gly Tyr Tyr Tyr
 100 105 110

Tyr Gly Met Asp Val Trp Gly Arg Gly Thr Thr Val Thr Val Ser Ser
 115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp
 130 135 140

Ile Gln Met Thr Gln Ser Pro Ser Phe Leu Ser Ala Ser Val Gly Asp

145 150 155 160

Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Asn Asn Tyr Leu
 165 170 175

Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Leu Leu Ile Tyr
 180 185 190

Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser
 195 200 205

Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
 210 215 220

Asp Phe Ala Thr Tyr Tyr Cys Leu Gln Asp Ser Asp Tyr Pro Leu Thr
 225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg
 245 250

<210> 1922
<211> 239
<212> PRT
<213> Homo sapiens

<400> 1922
Glu Val Gln Leu Val Glu Thr Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Lys Gly Trp Arg Gly Val Asp Tyr Trp Gly Arg Gly Thr Leu Val
 100 105 110

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Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser Ala
130 135 140

Ser Ile Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu Gly Ile
145 150 155 160

Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys
165 170 175

Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala Ser Gly Ala Pro Ser Arg
180 185 190

Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser
195 200 205

Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Ser Asn
210 215 220

Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg
225 230 235

<210> 1923

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1923

Glu Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Lys Ala Gly Gly Asn Pro Arg Ser Gly Ser Leu Val Tyr Phe Asp
 100 105 110

Tyr Trp Gly Arg Arg Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly
 115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr
 130 135 140

Gln Ser Pro Ser Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr Ile
 145 150 155 160

Thr Cys Arg Ala Ser Glu Gly Ile Tyr His Arg Leu Ala Trp Tyr Gln
 165 170 175

Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Val Tyr Lys Ala Ser Ser
 180 185 190

Leu Ala Ser Gly Ala Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr
 195 200 205

Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr
 210 215 220

Tyr Tyr Cys Gln Gln Tyr Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly
 225 230 235 240

Thr Lys Leu Lys Ile Lys Arg
 245

<210> 1924

<211> 244

<212> PRT

<213> Homo sapiens

<400> 1924

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Gln Glu Leu Val
 35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Ala Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Lys Gly Leu Asp Val Tyr Ala Ile Tyr Gly Leu Asp Val Trp Gly
 100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala
 130 135 140

Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp
 145 150 155 160

Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln
 165 170 175

Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile
 180 185 190

Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr
 195 200 205

Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys His Ser
 210 215 220

Arg Asp Ser Ser Gly Asn His Val Leu Phe Gly Gln Gly Thr Lys Leu
 225 230 235 240

Glu Ile Lys Arg

<210> 1925

<211> 254

<212> PRT

<213> Homo sapiens

<400> 1925

Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15

Ser Leu Arg Leu Ser Cys Glu Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Val Ile Ser Tyr Asp Glu Arg Ile Lys Asn Tyr Gly Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Gly Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Glu Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Thr Glu Val Arg Asn Tyr Asp Leu Leu Thr Arg Ser Tyr Leu Ala
 100 105 110

Gly Pro Leu Asp Asn Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser
 115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln
 130 135 140

Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln Ser
 145 150 155 160

Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr Asn
 165 170 175

Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met
 180 185 190

Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Ser Arg Phe Ser
 195 200 205

Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu Gln
 210 215 220

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser
 225 230 235 240

Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1926

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1926

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
 20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Gly Ile Ser Trp Asn Ser Gly Ser Ile Gly Tyr Ala Asp Ser Val
 50 55 60

Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Thr Tyr Tyr Cys
 85 90 95

Ala Arg Glu Ile Gly Trp Glu Gly Ala Phe Asp Ile Trp Gly Arg Gly
 100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Val
 130 135 140

Ser Ala Ala Pro Gly Gln Lys Val Thr Ile Ser Cys Ser Gly Ser Thr
 145 150 155 160

Ser Asn Ile Gly Asn Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly
 165 170 175

Lys Ala Pro Lys Leu Met Ile Tyr Asp Val Ser Lys Arg Pro Ser Gly

180 185 190

Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Asn Ser Ala Ser Leu
195 200 205

Asp Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala
210 215 220

Ala Trp Asp Asp Ser Leu Ser Glu Phe Leu Phe Gly Thr Gly Thr Lys
225 230 235 240

Leu Thr Val Leu Gly
245

<210> 1927
 <211> 243
 <212> PRT
 <213> Homo sapiens

<400> 1927
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Val Pro Cys Lys Ala Ser Gly Gly Ser Phe Arg Lys Tyr
20 25 30

Gly Phe Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Gly Ile Val Pro Ile Tyr Arg Ala Thr Asn Tyr Ala Gln Lys Phe
50 55 60

Arg Asp Arg Leu Thr Ile Thr Ala Asp Asp Ala Thr Asn Thr Val Tyr
65 70 75 80

Met Asp Leu Arg Ser Leu Gly Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Val Arg Pro Gly Leu Met Asp Val Trp Gly Gln Gly Thr Thr
100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
115 120 125

Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro Pro Val Phe Ala
130 135 140

2294

Ala Pro Gly Gln Lys Val Thr Ile Ser Cys Ser Gly Ser Thr Ser Asn
145 150 155 160

Ile Gly Asn Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala
165 170 175

Pro Lys Leu Met Ile Tyr Asp Val Ser Lys Arg Pro Ser Gly Val Pro
180 185 190

Asp Arg Phe Ser Gly Ser Lys Ser Gly Asn Ser Ala Ser Leu Asp Ile
195 200 205

Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp
210 215 220

Asp Asp Ser Leu Ser Glu Phe Leu Phe Gly Thr Gly Thr Lys Leu Thr
225 230 235 240

Val Leu Gly

<210> 1928

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1928

Gln Val Thr Leu Lys Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Lys Phe Thr Phe Arg Asn Tyr
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Gly Ile Trp Phe Asp Gly Ser Lys Thr Phe Tyr Ser Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Met Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Lys Glu Ala Tyr Thr Ser Ser Trp Ala Glu Phe Asp Phe Trp Gly
100 105 110

Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro
130 135 140

Ser Val Ser Ala Ala Pro Gly Gln Lys Val Thr Ile Ser Cys Ser Gly
145 150 155 160

Ser Thr Ser Asn Ile Gly Asn Asn Tyr Val Ser Trp Tyr Gln Gln His
165 170 175

Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Asp Val Ser Lys Arg Pro
180 185 190

Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Asn Ser Ala
195 200 205

Ser Leu Asp Ile Ser Gly Leu Arg Ser Glu Asp Glu Ala Asp Tyr Tyr
210 215 220

Cys Ala Ala Trp Asp Asp Ser Leu Ser Glu Phe Leu Phe Gly Thr Gly
225 230 235 240

Thr Lys Leu Thr Val Leu Gly
245

<210> 1929

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1929

Arg Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Glu
1 5 10 15

Ser Leu Arg Leu Ser Cys Ser Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Gly Ile Ser Gly Ser Gly Ser Ser Thr Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Met Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Ile Tyr Tyr Cys
 85 90 95

Ala Lys Asn Ile Thr Pro Leu Ala Met Val Gly Asp Phe Trp Gly Arg
 100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val
 130 135 140

Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser
 145 150 155 160

Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala
 165 170 175

Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro
 180 185 190

Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile
 195 200 205

Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg
 210 215 220

Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr
 225 230 235 240

Val Leu Gly

<210> 1930

<211> 240

<212> PRT

<213> Homo sapiens

<400> 1930

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly

<211> 244

<212> PRT

<213> Homo sapiens

<400> 1991

Glu Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Ser Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Ser Ile Ser Ser Ser Ser Ser His Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Val His Ser Ser Gly Ser Trp Gly Gln Gly Thr Leu Val Thr
 100 105 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser Ala Leu Asp Val Val Met Thr Gln Ser Pro Leu Ser Leu Pro
 130 135 140

Val Thr Leu Gly Gln Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser
 145 150 155 160

Leu Val His Ser Asp Gly Asn Thr Tyr Leu Asn Trp Phe Gln Gln Arg
 165 170 175

Pro Gly Gln Ser Pro Arg Arg Leu Ile Tyr Lys Val Ser Asn Arg Asp
 180 185 190

Phe Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Tyr Phe
 195 200 205

Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr
 210 215 220

Cys Met Gln Gly Thr His Arg Ile Thr Phe Gly Gln Gly Thr Arg Leu
 225 230 235 240

Glu Ile Lys Arg

<210> 1992

<211> 252

<212> PRT

<213> Homo sapiens

<400> 1992

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15

Ser Val Met Val Ser Cys Lys Thr Ser Gly Gly Thr Phe Asn Asn Asp
 20 25 30

Gly Phe Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Gly Ile Ile Pro Tyr Phe Gly Thr Thr His Lys Ala Glu Lys Phe
 50 55 60

Gln Asp Arg Val Thr Ile Thr Ala Asp Glu Ser Ala Gly Thr Val Leu
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Ser Ala Ile Tyr Tyr Cys
 85 90 95

Ala Arg Lys Arg Gly Asp Phe Gly Val Ile Arg Leu His His Tyr Tyr
 100 105 110

Gly Met Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu
 130 135 140

Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
 145 150 155 160

Thr Ala Arg Ile Thr Cys Ser Gly Asp Ala Leu Pro Asn Gln Tyr Ala
 165 170 175

Tyr Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr
 180 185 190

Lys Asp Ser Glu Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser
 195 200 205

Ser Ser Gly Thr Thr Val Thr Leu Thr Ile Ser Gly Val Gln Ala Glu
 210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Gln Ala Ala Asp Ser Ser Ser His Val
 225 230 235 240

Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1993

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1993

Gln Leu Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu
 1 5 10 15

Thr Leu Ser Leu Thr Cys Ser Val Ser Gly Gly Ser Val Ser Ser Arg
 20 25 30

Thr Gln Tyr Trp Gly Trp Ile Arg Leu Pro Pro Gly Lys Gly Leu Glu
 35 40 45

Trp Ile Ala Ser Leu Ser Phe Asp Gly Thr Thr Tyr Tyr Asn Pro Ser
 50 55 60

Leu Lys Ser Arg Val Thr Leu Ser Arg Asp Met Ser Lys Asn His Leu
 65 70 75 80

Ser Leu Asn Leu Asn Ser Val Thr Asp Ala Asp Thr Ala Val Tyr Tyr
 85 90 95

Cys Ala Arg His Asp Val Tyr Gly Asp Leu Phe Asp Ser Trp Gly Arg
 100 105 110

Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro
 130 135 140

Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Leu Ser Cys Ser Gly
 145 150 155 160

Ser Ser Ser Asn Ile Glu Tyr Asn Ser Val Ser Trp Tyr Gln His Leu
 165 170 175

Pro Gly Ala Ala Pro Lys Leu Leu Ile Tyr Gly Asn Asn Gln Arg Pro
 180 185 190

Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala
 195 200 205

Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr
 210 215 220

Cys Ala Thr Trp Asp Asp Arg Leu Leu Asn Pro Val Phe Gly Gly Gly
 225 230 235 240

Thr Lys Leu Thr Val Leu Gly
 245

<210> 1994

<211> 252

<212> PRT

<213> Homo sapiens

<400> 1994

Gln Leu Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
 1 5 10 15

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Gly
 20 25 30

Asp Tyr Tyr Trp Ser Trp Ile Arg Gln His Pro Gly Glu Gly Leu Glu
 35 40 45

Trp Ile Gly Tyr Ile Tyr His Ser Gly Ser Thr Tyr Tyr Asn Pro Ser
 50 55 60

Leu Lys Ser Arg Val Ser Met Ser Val Asp Thr Ser Lys Asn Gln Tyr
 65 70 75 80

Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr

85 90 95
 Cys Ala Arg Leu Arg Pro Asp Ala Asp Tyr Gly Asp Tyr Gly Phe Asp
 100 105 110
 Tyr Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly
 115 120 125
 Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Tyr Val
 130 135 140
 Leu Thr Gln Pro Pro Ser Ala Ser Ala Thr Pro Gly Gln Arg Val Thr
 145 150 155 160
 Ile Ser Cys Ser Gly Ser Arg Ser Asn Ile Gly Ser Asn Tyr Val Tyr
 165 170 175
 Trp Tyr Gln Gln Phe Pro Gly Ala Ala Pro Lys Leu Leu Ile Tyr Arg
 180 185 190
 Ser Tyr Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys
 195 200 205
 Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu Asp
 210 215 220
 Glu Ala Asp Tyr Tyr Cys Ala Thr Trp Asp Asp Arg Leu Arg Gly Leu
 225 230 235 240
 Val Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly
 245 250
 <210> 1995
 <211> 248
 <212> PRT
 <213> Homo sapiens
 <400> 1995
 Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu
 1 5 10 15
 Ser Leu Lys Ile Ser Cys Lys Ala Ser Gly Tyr Asn Phe Ala Asn Tyr
 20 25 30
 Trp Ile Ala Trp Val Arg Gln Thr Pro Gly Lys Gly Leu Gln Leu Met
 35 40 45

2374

Gly Ile Ile Tyr Pro Gly Asp Ser Glu Thr Lys Tyr Ser Pro Ser Phe
 50 55 60

Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Ser Ile Ser Thr Ala Tyr
 65 70 75 80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Ser Ala Met Tyr Tyr Cys
 85 90 95

Ala Arg Thr Ser Glu Arg Gly Thr Tyr Arg Gln Trp Asp Phe Asp Asn
 100 105 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
 115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr
 130 135 140

Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln Thr Ala Ser Ile Thr
 145 150 155 160

Cys Ser Gly Asp Lys Leu Gly Asn Lys Phe Ala Ser Trp Tyr Gln Gln
 165 170 175

Lys Pro Gly Gln Ser Pro Val Leu Val Ile Tyr Gln Asp Met Lys Arg
 180 185 190

Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser Asn Ser Gly Asn Thr
 195 200 205

Ala Thr Leu Thr Ile Thr Gly Ile Gln Ala Met Asp Glu Ala Asp Tyr
 210 215 220

Tyr Cys Gln Ala Trp Asp Ser Ser Thr Ala Gly Tyr Val Phe Gly Thr
 225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly
 245

<210> 1996

<211> 246

<212> PRT

<213> Homo sapiens

<400> 1996

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Asn Tyr
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Ile Ile Asn Pro Asn Gly Gly Arg Thr Ser His Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Ile Thr Met Thr Lys Asp Thr Ser Thr Ser Met Val Tyr
 65 70 75 80

Leu Glu Leu Ser Ser Leu Arg Ala Asp Asp Thr Ala Val Tyr Phe Cys
 85 90 95

Ala Arg Glu Ala Gly Glu Val Ala Ala Ile Asp Tyr Trp Gly Arg Gly
 100 105 110

Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Val Thr Gln Pro Pro Ser
 130 135 140

Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Ser Cys Ser Gly Ser
 145 150 155 160

Arg Ser Asn Ile Ala Ser Asn Tyr Val Asn Trp Tyr Gln Gln Leu Pro
 165 170 175

Gly Thr Ala Pro Lys Leu Leu Ile Tyr Lys Asn Asn Leu Arg Pro Ser
 180 185 190

Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser
 195 200 205

Leu Ala Ile Ser Gly Leu Gln Ser Gly Asp Glu Ala Asp Tyr Tyr Cys
 210 215 220

Glu Thr Trp Asp Asp Arg Leu Asn Val Val Val Phe Gly Gly Gly Thr
 225 230 235 240

Lys Leu Thr Val Leu Gly
245

<210> 1997

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1997

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Val Ser Cys Arg Ala Ser Gly Gly Thr Phe Ser Thr Tyr
20 25 30

Ala Ile Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Thr Val Ile Pro Ser Ser Gly Ile Arg Lys Tyr Ala Gln Asn Phe
50 55 60

Glu Gly Arg Val Thr Ile Gly Ala Asp Asp Ser Pro Thr Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Gly Asp Thr Ala Ile Phe Tyr Cys
85 90 95

Ala Arg Gly Lys Arg Tyr Ser Tyr Gly Trp Tyr Phe Asp Ile Trp Gly
100 105 110

Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro
130 135 140

Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val Ile Ile Ser Cys Thr
145 150 155 160

Gly Ser Ser Pro Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln
165 170 175

Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Asn Asn
180 185 190

Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Leu Ser Cys Ser Gly
145 150 155 160

Ser Ser Ser Asn Ile Glu Tyr Asn Ser Val Ser Trp Tyr Gln His Leu
165 170 175

Pro Gly Ala Ala Pro Lys Leu Leu Ile Tyr Gly Asn Asn Gln Arg Pro
180 185 190

Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala
195 200 205

Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr
210 215 220

Cys Ala Thr Trp Asp Asp Arg Leu Leu Asn Pro Val Phe Gly Gly Gly
225 230 235 240

Thr Lys Leu Thr Val Leu Gly
245

<210> 1999

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1999

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Ile Ser Cys Glu Ala Ser Gly Gly Thr Phe Ser Ser Tyr
20 25 30

Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Thr Val Ile Pro Asp Ser Asn Ile Arg Lys Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Pro Arg Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Gly Asp Thr Ala Ile Phe Tyr Cys
85 90 95

Ala Arg Gly Lys Arg Tyr Ser Tyr Gly Trp Tyr Phe Asp Val Trp Gly

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr
 195 200 205

Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Ala Asp Glu Ala Asp
 210 215 220

Tyr Tyr Cys Gln Ser Tyr Asp Ser Ser Leu Arg Gly Tyr Val Phe Gly
 225 230 235 240

Thr Gly Thr Lys Val Thr Val Leu Gly
 245

<210> 1998

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1998

Gln Leu Gln Leu Gln Glu Ser Asp Pro Gly Leu Val Lys Pro Ser Glu
 1 5 10 15

Thr Leu Ser Leu Thr Cys Ser Gly Ser Gly Gly Ser Val Ser Ser Arg
 20 25 30

Thr Gln Tyr Trp Gly Trp Ile Arg Leu Pro Pro Gly Lys Gly Leu Glu
 35 40 45

Trp Ile Ala Ser Leu Ser Phe Asp Gly Thr Thr Tyr Tyr Asn Pro Ser
 50 55 60

Phe Lys Ser Arg Val Thr Leu Ser Arg Asp Met Ser Lys Asn His Leu
 65 70 75 80

Ser Leu Asn Leu Asn Ser Val Thr Asp Ala Asp Thr Ala Val Tyr Tyr
 85 90 95

Cys Ala Arg His Asp Val Tyr Gly Asp Leu Phe Asp Ser Trp Gly Arg
 100 105 110

Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro
 130 135 140

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65 70 75 80

Val Tyr Leu Gln Met Ser Ser Leu Gln Ser Glu Asp Thr Gly Val Tyr
85 90 95

Tyr Cys Thr Thr Leu His Cys Thr Gly Gly Ser Cys Gly Phe Trp Gly
100 105 110

Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro
130 135 140

Ser Ser Ala Ser Ala Thr Pro Gly Gln Gly Val Thr Ile Ser Cys Ser
145 150 155 160

Gly Ser Ser Ser Asn Ile Gly Ser Asn Thr Val Asn Trp Tyr Gln Gln
165 170 175

Val Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Asn Gln Arg
180 185 190

Pro Ser Gly Val Pro Glu Arg Leu Ser Gly Ser Lys Ser Gly Thr Ser
195 200 205

Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr
210 215 220

Tyr Cys Ala Ala Trp Asp Asp Ser Leu Asn Gly Val Val Phe Gly Gly
225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly
245

<210> 2001

<211> 251

<212> PRT

<213> Homo sapiens

<400> 2001

Glu Val Gln Leu Val Gln Ser Gly Thr Glu Val Lys Lys Pro Gly Ala
1 5 10 15

100 105 110
 Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
 115 120 125
 Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro
 130 135 140
 Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr
 145 150 155 160
 Gly Ser Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val His Trp Phe Gln
 165 170 175
 Lys Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Thr Asn
 180 185 190
 Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr
 195 200 205
 Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp
 210 215 220
 Tyr Tyr Cys Gln Ser Tyr Asp Arg Ser Leu Ser Gly Tyr Val Phe Gly
 225 230 235 240
 Thr Gly Thr Lys Val Thr Val Leu Gly
 245

<210> 2000
 <211> 248
 <212> PRT
 <213> Homo sapiens

<400> 2000
 Glu Val Gln Leu Val Glu Thr Gly Gly Gly Leu Val Lys Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
 20 25 30

Trp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Gly Arg Ile Lys Thr Lys Thr Asp Gly Gly Thr Thr Asp Tyr Pro Ala
 50 55 60

2380

<210> 2002

<211> 249

<212> PRT

<213> Homo sapiens

<400> 2002

Gln Leu Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gly
 1 5 10 15

Thr Leu Ser Leu Thr Cys Ala Val Ser Arg Gly Ser Thr Ser Ser Arg
 20 25 30

Asn Trp Trp Ser Trp Val Arg Gln Phe Pro Glu Lys Gly Leu Glu Trp
 35 40 45

Ile Gly Glu Ile Ser His Thr Gly Thr Thr Asn Tyr Asn Pro Ser Leu
 50 55 60

Lys Gly Arg Val Ser Ile Ser Ile Asp Asn Ser Lys Asn Gln Phe Ser
 65 70 75 80

Leu Lys Met Thr Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Arg Thr Pro Asp His Asn Gly Asp Ser Gly Pro Pro Asp Tyr
 100 105 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
 115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu
 130 135 140

Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile
 145 150 155 160

Thr Cys Gln Gly Asp Ser Leu Arg Thr Tyr Tyr Ala Asn Trp Tyr Gln
 165 170 175

Gln Lys Pro Gly Gln Ala Pro Val Val Val Ile Tyr Gly Lys Asn Asn
 180 185 190

Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Tyr
 195 200 205

Ser Met Lys Val Ser Cys Lys Ser Ser Gly Tyr Thr Phe Thr Asn Tyr
20 25 30

Tyr Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Ile Ile Asp Pro Thr Ser Gly Arg Thr Val Tyr Ala Gln Arg Phe
50 55 60

Lys Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
65 70 75 80

Met Glu Leu Thr Ser Leu Lys Ser Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Arg Glu Arg Gly Gly Arg Asp Gly Asp Tyr Ala Leu Asp Phe Trp
100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Tyr Glu Leu Thr
130 135 140

Gln Pro Pro Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser
145 150 155 160

Cys Thr Gly Ser Ser Ser Asn Ile Gly Asp Gly Tyr Asp Val His Trp
165 170 175

Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn
180 185 190

Ala Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Pro
195 200 205

Asp Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Val Glu Asp Glu
210 215 220

Ala Asp Tyr Phe Cys His Ser Tyr Asp Ser Asn Met Ser Gly Trp Ile
225 230 235 240

Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly
245 250

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu
165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser
180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln
195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro
210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
225 230 235

<210> 2004

<211> 245

<212> PRT

<213> Homo sapiens

<400> 2004

Gln Val Gln Leu Gln Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Glu Ser Leu Thr Gly Gly Ala Phe Asp Ile Trp Gly Arg Ser
100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val

2385

Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp
 210 215 220

Tyr Tyr Cys Asn Ser Gly Asp Arg Ser Gly Asn His Tyr Val Phe Gly
 225 230 235 240

Thr Gly Thr Lys Leu Thr Val Leu Gly
 245

<210> 2003

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2003

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Lys Gly Thr Leu Val Thr Val
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val
 130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser
 145 150 155 160

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val
130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser
145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu
165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser
180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln
195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro
210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
225 230 235

<210> 2006

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2006

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
50 55 60

130 135 140
 Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser
 145 150 155 160

 Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro
 165 170 175

 Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser
 180 185 190

 Gly Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser
 195 200 205

 Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
 210 215 220

 Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys
 225 230 235 240

 Leu Thr Val Leu Gly
 245

 <210> 2005
 <211> 237
 <212> PRT
 <213> Homo sapiens

 <400> 2005
 Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

 Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

 Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

1	5	10	15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Ser Tyr	20	25	30
Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val	35	40	45
Ser Ser Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val	50	55	60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr	65	70	75
Leu Gln Met Asn Ser Leu Arg Val Glu Asp Thr Ala Val Tyr Tyr Cys	85	90	95
Ala Ser Leu Ile Glu Asp Phe Trp Gly Arg Gly Thr Leu Val Thr Val	100	105	110
Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly	115	120	125
Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly	130	135	140
Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly	145	150	155
Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys	165	170	175
Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg	180	185	190
Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly	195	200	205
Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr	210	215	220
Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly	225	230	235
			240

<210> 1931
 <211> 238
 <212> PRT
 <213> Homo sapiens

<400> 1931

Gln Val Gln Leu Ala Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Ser Asp Ser Gly Ser Pro Asp Trp Gly Lys Gly Thr Leu Val Thr
 100 105 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly
 130 135 140

Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr
 145 150 155 160

Ala Gly Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile
 165 170 175

Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly
 180 185 190

Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala
 195 200 205

Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn

210 215 220
 His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 225 230 235

 <210> 1932
 <211> 241
 <212> PRT
 <213> Homo sapiens .

 <400> 1932
 Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

 Ser Leu Arg Leu Ser Cys Glu Ala Ser Gly Phe Thr Phe Ser His Tyr
 20 25 30

 Trp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Ala Val
 35 40 45

 Ala Ser Ile Lys Arg Asp Gly Ser Gln Gln Tyr Tyr Leu Asp Ser Val
 50 55 60

 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Ser
 65 70 75 80

 Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

 Ala Arg Glu Gly Val Ala Ala Gly Glu Asp Tyr Trp Gly Gln Gly Thr
 100 105 110

 Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
 115 120 125

 Gly Gly Gly Gly Ser Asp Val Val Met Thr Gln Ser Pro Ser Ser Val
 130 135 140

 Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln
 145 150 155 160

 Gly Ile Ser Ser Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala
 165 170 175

 Pro Lys Leu Leu Ile Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro
 180 185 190

2300

Ser Arg Phe Ser Gly Gly Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile
195 200 205

Ser Thr Leu Gln Pro Glu Asp Val Ala Thr Tyr Tyr Cys Glu Asn Tyr
210 215 220

Asn Ser Val Pro Leu Ser Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
225 230 235 240

Arg

<210> 1933

<211> 244

<212> PRT

<213> Homo sapiens

<400> 1933

Gly Val Gln Leu Val Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Ala Ile His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Val Val Ser Tyr Asp Gly Ser Lys Lys Tyr Tyr Gly Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asp Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Asn Leu Arg Val Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Glu Lys Arg Gly Ser Arg Arg Val Phe Asp Ile Trp Gly Gln
100 105 110

Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Asp Pro Ala
130 135 140

2301

Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp
145 150 155 160

Ser Leu Arg Ser Tyr Tyr Thr Asn Trp Phe Gln Gln Lys Pro Gly Gln
165 170 175

Ala Pro Leu Leu Val Val Tyr Ala Lys Asn Lys Arg Pro Ser Gly Ile
180 185 190

Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr
195 200 205

Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser
210 215 220

Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu
225 230 235 240

Thr Val Leu Gly

<210> 1934

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1934

Gln Val Thr Leu Lys Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Lys Phe Thr Phe Arg Asn Tyr
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Gly Ile Trp Phe Asp Gly Ser Lys Thr Phe Tyr Ser Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Met Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Phe Cys
85 90 95

Ala Lys Glu Ala Tyr Ala Ser Ser Trp Ala Glu Phe Asp Phe Trp Gly
 100 105 110

Arg Gly Thr Pro Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro
 130 135 140

Ser Val Ser Ala Ala Pro Gly Gln Lys Val Thr Ile Ser Cys Ser Gly
 145 150 155 160

Ser Thr Ser Asn Ile Gly Asn Asn Tyr Val Ser Trp Tyr Gln Gln His
 165 170 175

Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Asp Val Ser Lys Arg Pro
 180 185 190

Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Asn Ser Ala
 195 200 205

Ser Leu Asp Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr
 210 215 220

Cys Ala Ala Trp Asp Asp Ser Leu Ser Glu Phe Leu Phe Gly Thr Gly
 225 230 235 240

Thr Lys Leu Thr Val Leu Gly
 245

<210> 1935

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1935

Gln Val Thr Leu Lys Glu Ser Gly Gly Gly Leu Ile Gln Pro Gly Gly
 1 5 10 15

Pro Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Phe Ile Trp Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val

50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Lys Pro Tyr Gly Ser Gly Ser Tyr Ala Phe Asp Ile Trp Gly Lys
 100 105 110
 Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125
 Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser
 130 135 140
 Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr Cys Arg Ala
 145 150 155 160
 Ser Glu Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly
 165 170 175
 Lys Ala Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala Ser Gly
 180 185 190
 Ala Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu
 195 200 205
 Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln
 210 215 220
 Gln Tyr Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu
 225 230 235 240

 Ile Lys Arg

 <210> 1936
 <211> 253
 <212> PRT
 <213> Homo sapiens

 <400> 1936
 Gln Val Asn Leu Arg Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Ile Thr Arg Asp Thr Ser Ala Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Ala Arg Asp Tyr Tyr Asp Ser Ser Gly Tyr Tyr Val Pro Asp
100 105 110

Ala Phe Asp Ile Trp Gly Lys Ser Thr Leu Val Thr Val Ser Ser Gly
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser
130 135 140

Val Leu Thr Gln Pro Pro Ser Val Ser Ala Ala Pro Gly Gln Lys Val
145 150 155 160

Thr Ile Ser Cys Ser Gly Ser Thr Ser Asn Ile Gly Asn Asn Tyr Val
165 170 175

Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr
180 185 190

Asp Val Ser Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser
195 200 205

Lys Ser Gly Asn Ser Ala Ser Leu Asp Ile Ser Gly Leu Gln Ser Glu
210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu Ser Glu
225 230 235 240

Phe Leu Phe Gly Thr Gly Thr Lys Leu Thr Val Leu Gly

245

250

<210> 1937
 <211> 241
 <212> PRT
 <213> Homo sapiens

<400> 1937

Ala Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Lys Ser Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Ser Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Ser Ile Ser Ser Ser Ser Ser Tyr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Gly His Phe Tyr Gly Met Asp Val Trp Gly Arg Gly Thr Met
 100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
 115 120 125

Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala
 130 135 140

Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser
 145 150 155 160

Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu
 165 170 175

Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe
 180 185 190

Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala
 195 200 205

2306

Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser
 210 215 220

Ser Thr His Arg Gly Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
 225 230 235 240

Gly

<210> 1938

<211> 253

<212> PRT

<213> Homo sapiens

<400> 1938

Glu Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
 1 5 10 15

Ser Leu Arg Val Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
 20 25 30

Trp Met Tyr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Gly Arg Ile Arg Ser Lys Gly Asp Gly Gly Thr Ala Asp Tyr Ala Ala
 50 55 60

Pro Val Glu Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Tyr Thr
 65 70 75 80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Ser Glu Asp Thr Ala Val Tyr
 85 90 95

Tyr Cys Met Ser Leu Pro Pro Asp Leu Arg Tyr Cys Asp Gly Gly Met
 100 105 110

Cys Ser Gly Phe Asp Trp Leu Gly Pro Trp Gly Gln Gly Thr Leu Val
 115 120 125

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly
 130 135 140

Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu
 145 150 155 160

Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr
 165 170 175

Tyr Ala Ser Trp His Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val
 180 185 190

Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser
 195 200 205

Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln
 210 215 220

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ala Trp Asp Ser Ser His
 225 230 235 240

Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1939

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1939

Gln Val Gln Leu Met Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Ile Lys Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Phe
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Thr Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Ser Leu Leu Thr Glu Glu Tyr Cys Gly Ser Asp Cys Tyr
 100 105 110

Ser Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly
115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln
130 135 140

Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys
145 150 155 160

Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys
165 170 175

Pro Gly Gln Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Thr
180 185 190

Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala
195 200 205

Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr
210 215 220

Cys Asn Ser Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly
225 230 235 240

Thr Lys Leu Ser Val Leu Gly
245

<210> 1940

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1940

Gln Met Gln Leu Val Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Asn His Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Thr Lys Asn Thr Leu Ser

65		70		75		80									
Leu	Gln	Met	Asn	Ser	Leu	Lys	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	
Val	Pro	Asn	Ser	Ala	Pro	Pro	Ala	Pro	Ser	Met	Asp	Val	Trp	Gly	Arg
			100					105					110		
Gly	Thr	Leu	Val	Thr	Val	Ser	Ser	Gly	Gly	Gly	Gly	Ser	Gly	Gly	Gly
		115					120					125			
Gly	Ser	Gly	Gly	Gly	Gly	Ser	Ser	Glu	Leu	Thr	Gln	Asp	Pro	Ala	Val
	130					135					140				
Ser	Val	Ala	Leu	Gly	Gln	Thr	Val	Arg	Ile	Thr	Cys	Gln	Gly	Asp	Ser
145					150					155					160
Leu	Arg	Ser	Tyr	Tyr	Ala	Ser	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln	Ala
					165				170					175	
Pro	Val	Leu	Val	Ile	Tyr	Gly	Lys	Asn	Asn	Arg	Pro	Ser	Gly	Ile	Pro
			180					185					190		
Asp	Arg	Phe	Ser	Gly	Ser	Ser	Ser	Gly	Asn	Thr	Ala	Ser	Leu	Thr	Ile
		195					200					205			
Thr	Gly	Ala	Gln	Ala	Glu	Asp	Glu	Ala	Asp	Tyr	Tyr	Cys	Asn	Ser	Arg
	210					215					220				
Asp	Ser	Ser	Gly	Asn	His	Val	Val	Phe	Gly	Gly	Gly	Thr	Lys	Leu	Thr
225					230					235					240

Val Leu Gly

<210> 1941

<211> 237

<212> PRT

<213> Homo sapiens

<400> 1941

Gln	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	His	Pro	Gly	Gly
1				5					10					15	

Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Asn	Phe
			20					25					30		

2310

Ala Leu Ser Trp Val Arg Gln Ala Pro Gly Arg Gly Leu Glu Trp Val
 35 40 45

Ser Ser Ile Ser Pro Ser Gly Gly Arg Thr Tyr Tyr Ala Asp Ser Val
 50 55 60

Glu Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Leu Val Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Val Asp Asp Thr Ala Val Tyr Phe Cys
 85 90 95

Ala Ser Arg Tyr Tyr Asp Tyr Trp Gly Arg Gly Thr Leu Val Thr Val
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln
 130 135 140

Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala
 145 150 155 160

Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr
 165 170 175

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
 180 185 190

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
 195 200 205

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His
 210 215 220

Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 225 230 235

<210> 1942

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1942

Gln Val Gln Leu Val Gln Ser Gly Glu Gly Leu Val Gln Pro Gly Glu
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ser Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Gly Ile Ser Gly Ser Gly Ser Ser Thr Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Met Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Ile Tyr Tyr Cys
 85 90 95

Ala Lys Asn Ile Thr Pro Leu Ala Met Val Gly Asp Phe Trp Gly Gln
 100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val
 130 135 140

Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser
 145 150 155 160

Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala
 165 170 175

Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro
 180 185 190

Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile
 195 200 205

Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg
 210 215 220

Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr
 225 230 235 240

Val Leu Gly

<210> 1943

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1943

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Ala Gly Glu
1 5 10 15

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Thr Phe Thr Ser Tyr
20 25 30

Gly Ile Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Ser Gly Tyr Asn Ala Asn Thr Thr Tyr Ala Gln Asn Leu
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Ala Asp Tyr Ser Asn Asp Tyr Tyr Met Asp Val Trp Gly Lys
100 105 110

Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
115 120 125

Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser
130 135 140

Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr Cys Arg Ala
145 150 155 160

Ser Glu Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly
165 170 175

Lys Ala Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala Ser Gly
180 185 190

Ala Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu
 195 200 205

Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln
 210 215 220

Gln Tyr Ser Asp Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu
 225 230 235 240

Ile Lys Arg

<210> 1944

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1944

Arg Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Glu
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ser Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Gly Ile Ser Gly Ser Gly Ser Ser Thr Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Met Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Ile Tyr Tyr Cys
 85 90 95

Ala Lys Asn Ile Thr Pro Leu Ala Met Val Gly Asp Phe Trp Gly Gln
 100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val
 130 135 140

Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser
145 150 155 160

Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala
165 170 175

Pro Val Leu Val Ile Tyr Gly Lys Asn Ile Arg Pro Ser Gly Ile Pro
180 185 190

Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile
195 200 205

Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg
210 215 220

Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr
225 230 235 240

Val Leu Gly

<210> 1945

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1945

Gln Val Gln Leu Gln Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ser Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Tyr Val
35 40 45

Ser Ala Ile Ser Ser Asn Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Phe Pro Leu Glu Ser Tyr Tyr Tyr Met Asp Val Trp Gly Gln

2315

100 105 110
 Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125
 Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser
 130 135 140
 Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr Cys Arg Ala
 145 150 155 160
 Ser Glu Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly
 165 170 175
 Lys Ala Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala Ser Gly
 180 185 190
 Ala Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu
 195 200 205
 Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln
 210 215 220
 Gln Tyr Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu
 225 230 235 240

Ile Lys Arg

<210> 1946
 <211> 245
 <212> PRT
 <213> Homo sapiens

<400> 1946
 Glu Val Gln Leu Val Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Arg Val Ser Cys Glu Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Asn Pro Asp Ser Gly Lys Thr Lys Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Asn Ser Phe Gly Arg Thr Leu Asp Tyr Trp Gly Arg Ser
100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val
130 135 140

Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser
145 150 155 160

Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro
165 170 175

Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser
180 185 190

Gly Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser
195 200 205

Leu Thr Ile Ser Gly Leu Arg Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
210 215 220

Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys
225 230 235 240

Leu Thr Val Leu Gly
245

<210> 1947

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1947

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Val Pro Pro Pro Asp Gly Tyr Leu Glu Val Trp Gly Arg
100 105 110

Gly Thr Met Val Thr Val Ser Asn Gly Gly Gly Gly Ser Gly Gly Gly
115 120 125

Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val
130 135 140

Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser
145 150 155 160

Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala
165 170 175

Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro
180 185 190

Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile
195 200 205

Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Pro
210 215 220

Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr
225 230 235 240

Val Leu Gly

<210> 1948

<211> 241

<212> PRT

<213> Homo sapiens

<400> 1948

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15

Ser Val Lys Val Ser Cys Arg Ala Ser Gly Tyr Ser Phe Thr Gly Tyr
 20 25 30

Tyr Ile His Trp Val Arg Arg Ala Pro Gly Gln Gly Leu Glu Trp Leu
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Asn Thr Gly Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asn Thr Ser Ile Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Ala Ser Tyr Pro Val Pro Phe Asp Tyr Trp Gly Lys Gly Thr
 100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
 115 120 125

Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu
 130 135 140

Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu
 145 150 155 160

Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala
 165 170 175

Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala Ser Gly Ala Pro
 180 185 190

Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile
 195 200 205

Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr
 210 215 220

Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu Thr Glu
 225 230 235 240

Arg

<210> 1949

<211> 242

<212> PRT

<213> Homo sapiens

<400> 1949

Gln Leu Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Val Ala Ser Gly Phe Thr Phe Thr Thr Tyr
 20 25 30

Pro Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Val Met Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Lys Gly Gly Trp Leu Asp Asp Trp Gly Gln Gly Thr Met Val Thr
 100 105 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro Ser Val Ser Ala Ala
 130 135 140

Pro Gly Gln Glu Val Thr Met Ser Cys Ser Gly Ser Ser Ser Asn Val
 145 150 155 160

Gly His Asn Tyr Val Ser Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro
165 170 175

Lys Leu Leu Ile Tyr Asp Asp Asp Lys Arg Pro Ser Gly Ile Pro Asp
180 185 190

Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala Thr Leu Ala Ile Arg
195 200 205

Gly Leu Gln Thr Gly Asp Glu Ala Asp Tyr Tyr Cys Ala Thr Trp Asp
210 215 220

Val Arg Leu Arg Asp Val Leu Phe Gly Gly Gly Thr Lys Leu Thr Val
225 230 235 240

Leu Gly

<210> 1950

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1950

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Ala Ser Tyr
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Val
35 40 45

Gly Ile Ile Asn Pro Ser Gly Gly Lys Thr Thr Tyr Ala Gln Asn Phe
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Ser
65 70 75 80

Met Glu Leu Asn Ser Leu Lys Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Glu His Ser Ser Ser Phe Asp Tyr Trp Gly Gln Gly Thr Met
100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly

2321

115 120 125
 Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro Ser Val Ser
 130 135 140
 Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser
 145 150 155 160
 Asn Ile Gly Asp Gly Tyr Asp Val His Trp Tyr Gln Gln Leu Pro Gly
 165 170 175
 Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Gly His Arg Pro Ser Gly
 180 185 190
 Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Asp Thr Ser Ala Ser Leu
 195 200 205
 Ala Ile Thr Gly Leu Gln Val Glu Asp Glu Ala Asp Tyr Phe Cys His
 210 215 220
 Ser Tyr Asp Ser Ser Val Ser Gly Trp Ile Phe Gly Gly Gly Thr Lys
 225 230 235 240
 Val Thr Val Leu Gly
 245
 <210> 1951
 <211> 253
 <212> PRT
 <213> Homo sapiens
 <400> 1951
 Glu Val Gln Leu Val Gln Ser Gly Ala Ala Val Lys Lys Pro Gly Ala
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Thr Tyr
 20 25 30
 Tyr Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Ile Ile Asn Pro Ile Asn Gly Asn Thr Ile Tyr Ala Gln Lys Phe
 50 55 60
 Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Gly Thr Val Asn
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Phe Tyr Cys
 85 90 95

Ala Arg Glu Gly Glu Gly Asp Gly Tyr Asn Val Ala Pro Tyr Tyr Phe
 100 105 110

Asp Tyr Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val
 130 135 140

Leu Thr Gln Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr
 145 150 155 160

Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val
 165 170 175

His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr
 180 185 190

Gly Asn Ser Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser
 195 200 205

Lys Ser Asp Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Val Glu
 210 215 220

Asp Glu Ala Asp Tyr Phe Cys His Ser Tyr Asp Ser Ser Leu Ser Gly
 225 230 235 240

Trp Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 1952

<211> 250

<212> PRT

<213> Homo sapiens

<400> 1952

Glu Val Gln Leu Val Gln Ser Gly Val Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Arg Asp Tyr
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met
 35 40 45

Gly Ile Ile Asn Pro Thr Gly Gly Thr Thr Ser Tyr Ala Pro Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Asn Thr Leu Tyr
 65 70 75 80

Met Glu Leu Arg Arg Leu Lys Phe Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Ala Gly Gly Ser Gly Ser Tyr His Phe Ser Phe Pro Phe
 100 105 110

Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Glu Thr
 130 135 140

Thr Leu Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly Glu Arg
 145 150 155 160

Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Asn Leu Ala
 165 170 175

Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly
 180 185 190

Ala Ser Thr Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly
 195 200 205

Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser Glu Asp
 210 215 220

Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Asn Asn Trp Pro Arg Thr Phe
 225 230 235 240

Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg
 245 250

<210> 1953

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1953

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Trp
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Tyr Ser
 20 25 30

Ala Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Ala Ile Thr Ser Ser Gly Gly Ala Thr Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Ile Tyr Tyr Cys
 85 90 95

Ala Lys Thr Gly Ile Trp Gly Tyr Tyr Phe Asp Tyr Trp Gly Gln Gly
 100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro Ser
 130 135 140

Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Arg
 145 150 155 160

Ser Ser Asn Ile Gly Ala Gly Phe Asp Val His Trp Tyr Leu Gln Leu
 165 170 175

Pro Gly Arg Ala Pro Lys Val Leu Ile Tyr Gly Asn Ser Asn Arg Pro
 180 185 190

Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala
 195 200 205

Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr
 210 215 220

Cys Gln Ser Tyr Asp Arg Ser Leu Arg Ala Phe Val Phe Gly Thr Gly
 225 230 235 240

Thr Lys Val Thr Val Leu Gly
 245

<210> 1954

<211> 252

<212> PRT

<213> Homo sapiens

<400> 1954

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
 20 25 30

Phe Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Ile Ile Asn Pro Asn Gly Gly Ile Thr Lys Tyr Lys Glu Ser Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Asn Thr Leu Tyr
 65 70 75 80

Met Glu Met Arg Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Gly Asn Leu Asn Tyr Asp Gly Ser Thr Asp Tyr Gly Met
 100 105 110

Asp Val Trp Gly Arg Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val
 130 135 140

Leu Thr Gln Pro Ser Ser Ala Ser Gly Thr Leu Gly Gln Arg Leu Ser
 145 150 155 160

Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Ser Val Ser
 165 170 175

Trp Tyr His Gln Val Ala Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly
180 185 190

Ser Asp Glu Arg Pro Ser Gly Val Pro Tyr Arg Phe Ser Gly Ser Lys
195 200 205

Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Glu Leu Arg Ser Glu Asp
210 215 220

Glu Gly Asp Tyr Tyr Cys Ala Thr Trp Asp Asp Ser Leu Arg Gly Trp
225 230 235 240

Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
245 250

<210> 1955

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1955

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ser Ser Gly Gly Thr Phe Ser Ser Tyr
20 25 30

Ala Leu Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Gly Ile Ile Pro Ile Phe Gly Thr Thr Asn Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Thr Thr Leu Gly Arg Asn Tyr Thr Ser Ser Trp Ser Leu Asp Tyr Trp
100 105 110

Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr

130 135 140
 Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr
 145 150 155 160
 Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln
 165 170 175
 Lys Pro Arg Gln Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asp Arg
 180 185 190
 Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Asn Ser Gly Asn Thr
 195 200 205
 Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr
 210 215 220
 Tyr Cys Asn Ser Arg Asp Thr Ser Gly Asn His Leu Val Phe Gly Thr
 225 230 235 240
 Gly Thr Lys Leu Thr Val Leu Gly
 245
 <210> 1956
 <211> 249
 <212> PRT
 <213> Homo sapiens
 <400> 1956
 Glu Val Gln Leu Val Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Thr Ser Tyr
 20 25 30
 Gly Met His Trp Val Arg Gln Ala Pro Ala Lys Gly Leu Glu Trp Val
 35 40 45
 Ala Phe Ile Ser Tyr Asp Gly Ser His Lys Tyr Tyr Ala Asp Ser Val
 50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Lys Val Val Gly Gly Tyr Ser Ser Thr Leu Gly Thr Asp Val Trp
 100 105 110

Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln
 130 135 140

Pro Ser Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Ser Cys
 145 150 155 160

Ser Gly Arg Asn Ser Asn Val Gly Ser Asn Tyr Val Tyr Trp Tyr Gln
 165 170 175

Gln Phe Pro Gly Thr Ala Pro Lys Leu Leu Ile His Arg Ser Asn Gln
 180 185 190

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr
 195 200 205

Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu Asp Glu Ala Ala
 210 215 220

Tyr Tyr Cys Ala Thr Trp Asp Asp Ser Leu Ser Val Trp Val Phe Gly
 225 230 235 240

Gly Gly Thr Lys Leu Thr Val Leu Gly
 245

<210> 1957

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1957

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu
 1 5 10 15

Ser Leu Lys Ile Ser Cys Lys Gly Tyr Gly Tyr Asn Phe Lys Gly His
 20 25 30

Trp Ile Val Trp Val Arg Gln Val Pro Gly Lys Gly Leu Asp Tyr Met
 35 40 45

Gly Ile Ile Tyr Pro Asp Asp Ser Ser Thr Thr Tyr Arg Pro Ser Phe
 50 55 60

Gln Gly Gln Val Thr Ile Ser Val Asp Lys Ser Thr Ser Thr Ala Tyr
 65 70 75 80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
 85 90 95

Ala Arg Leu Gly Val Ala Arg Gly Arg Glu Ala Phe Asp Leu Trp Gly
 100 105 110

Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Tyr Glu Leu Thr Gln
 130 135 140

Pro Pro Ser Thr Ser Ala Thr Pro Gly Gln Thr Val Thr Ile Ser Cys
 145 150 155 160

Tyr Gly Ser Ser Asp Asn Ile Gly His Glu Arg Val Ala Trp Tyr Gln
 165 170 175

His Val Pro Gly Thr Ala Pro Lys Leu Val Ile Tyr Asn Asp Asp Arg
 180 185 190

Arg Pro Ala Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Asp Ser
 195 200 205

Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu Asp Glu Gly Asp
 210 215 220

Tyr Tyr Cys Ala Ser Trp Asp Val Arg Met Phe Gly Phe Val Phe Gly
 225 230 235 240

Thr Gly Thr Lys Val Thr Val Leu Gly
 245

<210> 1958

<211> 254

<212> PRT

<213> Homo sapiens

<400> 1958

Gln Val Gln Leu Gln Gln Ser Gly Pro Gly Leu Ala Lys Pro Ser Gln
 1 5 10 15
 Thr Leu Ser Gly Thr Cys Ala Ile Ser Gly Asp Ser Val Ser Ser Asn
 20 25 30
 Ser Ala Thr Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
 35 40 45
 Trp Leu Ala Arg Thr Tyr Tyr Arg Ser Thr Trp His Asn Asp Tyr Ala
 50 55 60
 Val Ser Val Asn Ser Arg Ile Arg Val Asp Pro Asp Thr Ser Lys Asn
 65 70 75 80
 Gln Phe Ser Leu Leu Leu Asn Ser Val Thr Pro Glu Asp Thr Ala Val
 85 90 95
 Tyr Phe Cys Ala Arg Ala Val Arg Ser Pro Gly Tyr Tyr Tyr Tyr Tyr
 100 105 110
 Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser Gly Gly
 115 120 125
 Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala
 130 135 140
 Val Leu Thr Gln Pro Ser Ser Ala Ser Gly Thr Pro Gly Gln Arg Val
 145 150 155 160
 Thr Ile Thr Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Thr Val
 165 170 175
 Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Phe
 180 185 190
 Gly Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser
 195 200 205
 Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu
 210 215 220
 Asp Glu Ala Asp Tyr Phe Cys Ala Ala Trp Asp Asp Ser Leu Asn Val
 225 230 235 240

Pro Trp Val Phe Gly Thr Gly Thr Lys Leu Thr Val Leu Gly
245 250

<210> 1959

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1959

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
20 25 30

Pro Val His Trp Leu Arg Gln Ala Pro Gly Gln Arg Pro Glu Trp Val
35 40 45

Gly Gln Phe Asn Pro Ala Thr Gly Asn Thr Gln Tyr Ser Glu Asn Phe
50 55 60

Gln Gly Arg Val Ala Ile Thr Ser Asp Thr Ala Ala Thr Thr Ser Tyr
65 70 75 80

Met Glu Leu Asn Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Arg Lys Pro Leu Phe Asp Tyr Trp Gly Arg Gly Thr Leu
100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
115 120 125

Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr Gln Asp Pro Ala Val
130 135 140

Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser
145 150 155 160

Leu Thr Thr Tyr Tyr Ala Arg Trp Tyr Gln Gln Lys Pro Gly Gln Ala
165 170 175

Pro Leu Leu Val Ile Tyr Gly Arg Asn Asn Arg Pro Ser Gly Ile Pro
180 185 190

Asp Arg Phe Ser Gly Ser Arg Ser Gly Ser Thr Ala Ser Leu Thr Ile
 195 200 205

Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg
 210 215 220

Asp Ser Arg Gly Asn His Tyr Val Phe Gly Thr Gly Thr Lys Leu Thr
 225 230 235 240

Val Leu Gly

<210> 1960

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1960

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
 1 5 10 15

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Ala Ser Ile Asn Thr Gly
 20 25 30

Gly Tyr Asp Trp Thr Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu
 35 40 45

Leu Ile Gly His Ile His Tyr Ser Gly Ser Thr Tyr Lys Lys Ala Ser
 50 55 60

Leu Lys Ser Arg Leu Asn Met Ser Leu Asp Arg Ser Lys Asn Gln Phe
 65 70 75 80

Ser Leu Asn Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Ile Tyr Tyr
 85 90 95

Cys Ala Arg Lys Gln Arg Arg Glu Lys Tyr Phe Asp Tyr Trp Gly Arg
 100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro
 130 135 140

Ser Val Ser Gly Ala Pro Gly Gln Lys Val Thr Ile Ser Cys Thr Gly

2333

145 150 155 160
 Ser Arg Ser Asn Phe Gly Ala Asp Tyr Asp Val His Trp Tyr Gln Gln
 165 170 175
 Arg Pro Gly Ala Ala Pro Lys Leu Leu Ile Ser Asn Asn Lys Asn Arg
 180 185 190
 Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Arg Ser Gly Thr Ser
 195 200 205
 Ala Ser Leu Thr Ile Thr Gly Val Gln Ser Asp Asp Glu Ala Asp Tyr
 210 215 220
 Tyr Cys Gln Ser Tyr Asp Ser Ser Leu Ser Gly Phe Val Phe Gly Gly
 225 230 235 240
 Gly Thr Lys Leu Thr Val Leu Gly
 245

 <210> 1961
 <211> 254
 <212> PRT
 <213> Homo sapiens

 <400> 1961
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
 20 25 30

 Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

 Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe
 50 55 60

 Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
 65 70 75 80

 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

 Ala Arg Glu Lys Ala Ile Ile Glu Thr Thr Ser Gly Glu Ala Asp Pro
 100 105 110

Phe Asp Ile Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala
130 135 140

Val Leu Thr Gln Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val
145 150 155 160

Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Asp Gly Tyr Asp
165 170 175

Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile
180 185 190

Tyr Gly Asn Ser Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly
195 200 205

Ser Lys Ser Asp Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Val
210 215 220

Glu Asp Glu Ala Asp Tyr Phe Cys His Ser Tyr Asp Ser Ser Val Ser
225 230 235 240

Gly Trp Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
245 250

<210> 1962

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1962

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Thr Val Ser Asn Gly Ser Ile Asn Ser Gly
20 25 30

Asp Tyr Tyr Trp Ser Trp Val Arg Gln Pro Pro Gly Lys Gly Leu Glu
35 40 45

Trp Ile Gly Tyr Ile Ser Asn Thr Gly Ser Thr Tyr Tyr Asn Pro Ser
50 55 60

Leu Arg Ser Arg Leu Ser Met Ser Leu Asp Thr Ser Lys Asp Gln Phe
65 70 75 80

Ser Leu Glu Val Thr Ser Leu Ser Ala Ala Asp Thr Ala Val Tyr Tyr
85 90 95

Cys Ala Ser Arg Pro Ala Leu Arg Ser Leu Trp Tyr Phe Asp Leu Trp
100 105 110

Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln
130 135 140

Pro Pro Ser Val Ser Ala Ala Pro Gly Gln Lys Val Thr Ile Phe Cys
145 150 155 160

Ser Gly Ser Ser Ser Asn Ile Gly Asn Asn Asn Ile His Trp Tyr Gln
165 170 175

Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Asp Ser Asn Lys
180 185 190

Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr
195 200 205

Ser Gly Thr Leu Asp Ile Thr Gly Leu Gln Thr Gly Asp Glu Ala Asp
210 215 220

Tyr Ser Cys Ala Thr Trp Asp Asn Ser Leu Asn Ala Tyr Val Phe Gly
225 230 235 240

Ser Gly Thr Lys Val Thr Val Leu Gly
245

<210> 1963

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1963

Gln Val Thr Leu Lys Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
 20 25 30

Trp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Gly Arg Ile Lys Thr Lys Thr Asp Gly Gly Thr Thr Asp Tyr Ala Ala
 50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
 65 70 75 80

Val Tyr Leu Gln Met Asn Ser Leu Gln Ser Glu Asp Thr Gly Val Tyr
 85 90 95

Tyr Cys Thr Thr Leu His Cys Thr Gly Gly Ser Cys Gly Phe Trp Gly
 100 105 110

Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro
 130 135 140

Pro Ser Ala Ser Ala Thr Pro Gly Gln Arg Val Thr Ile Ser Cys Ser
 145 150 155 160

Gly Ser Ser Ser Asn Ile Gly Ile Asn Thr Val Asn Trp Tyr Gln Gln
 165 170 175

Leu Pro Gly Thr Ala Pro Lys Leu Leu Met Tyr Ser Asp Ser Gln Arg
 180 185 190

Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser
 195 200 205

Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr
 210 215 220

Phe Cys Ala Ala Trp Asp Asp Ser Leu Asn Gly Val Ile Phe Gly Gly
 225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly
 245

<210> 1964

<211> 253

<212> PRT

<213> Homo sapiens

<400> 1964

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Glu Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Asn Thr Asn Tyr Ala Gln Lys Leu
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asn Pro Tyr Tyr Tyr Asp Ser Ser Glu Gly Phe Phe Asp Tyr
 100 105 110

Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser
 115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Asp Val Val Met
 130 135 140

Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Leu Gly Gln Pro Ala Ser
 145 150 155 160

Ile Ser Cys Arg Ser Ser Gln Ser Leu Val Tyr Ser Asp Gly Asn Thr
 165 170 175

Tyr Leu Asn Trp Phe Gln Gln Arg Pro Gly Gln Ser Pro Arg Arg Leu
 180 185 190

Ile Tyr Lys Val Ser Asn Arg Asp Ser Gly Val Pro Asp Arg Phe Ser
 195 200 205

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu
 210 215 220

Ala Glu Asp Val Gly Val Tyr Tyr Cys Met Gln Ala Thr Arg Trp Pro
 225 230 235 240

Phe Thr Phe Gly Gln Gly Thr Lys Met Glu Ile Lys Arg
 245 250

<210> 1965

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1965

Glu Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Cys Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Ser Gly Arg Gln Ala Tyr Tyr Tyr Tyr Gly Met Asp Val Trp
 100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Tyr Val Leu Thr
 130 135 140

Gln Pro Pro Ser Leu Ser Glu Ser Pro Gly Gln Thr Ala Lys Ile Thr
 145 150 155 160

Cys Ser Gly Asp Pro Leu Ser Lys His Tyr Ala Tyr Trp Tyr Gln Gln

165 170 175
 Lys Ser Gly Leu Ala Pro Val Leu Val Met Ser Lys Asp Asn Glu Arg
 180 185 190
 Pro Ser Gly Ile Pro Asp Arg Phe Tyr Gly Ser Ser Ser Gly Thr Thr
 195 200 205
 Ala Thr Leu Thr Ile Ser Gly Val Gln Val Glu Asp Glu Ala Asp Tyr
 210 215 220
 Tyr Cys His Ser Val Gly Ser Asp Gly Ser Ser Leu Val Phe Gly Gly
 225 230 235 240
 Gly Thr Gln Leu Thr Val Leu Ser
 245

 <210> 1966
 <211> 254
 <212> PRT
 <213> Homo sapiens

 <400> 1966
 Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Glu Pro Ser Gly
 1 5 10 15
 Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Ala Ser Ile Ser Ser Asn
 20 25 30
 Asn Leu Trp Ser Trp Val Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp
 35 40 45
 Ile Gly Glu Ile Tyr His Ser Gly Ser Thr Ser Tyr Asn Pro Ser Leu
 50 55 60
 Arg Gly Arg Val Thr Ile Ser Val Asp Lys Ser Thr Asn Gln Phe Ser
 65 70 75 80
 Leu Lys Leu Thr Ser Val Thr Asp Ala Asp Thr Asp Val Tyr Tyr Cys
 85 90 95
 Ala Arg Asp Tyr Tyr Asp Gly Ser Ser Tyr Ser Ser Gly Asp Tyr Tyr
 100 105 110
 Tyr Tyr Met Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
 115 120 125

2340

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Ala
130 135 140

Leu Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly
145 150 155 160

Gln Thr Ala Thr Ile Thr Cys Ser Gly Asp Ala Leu Pro Lys Gln Asn
165 170 175

Ala Tyr Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile
180 185 190

Tyr Arg Asp Ser Glu Arg Arg Ser Gly Ile Pro Glu Arg Phe Ser Gly
195 200 205

Ser Ser Ser Gly Thr Thr Ala Thr Leu Thr Ile Ser Gly Val Gln Ala
210 215 220

Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Ala Asp Ser Thr Val Ser
225 230 235 240

Tyr Tyr Val Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly
245 250

<210> 1967

<211> 256

<212> PRT

<213> Homo sapiens

<400> 1967

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Asn Phe Asp Ser Tyr
20 25 30

Tyr Leu His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Ile Ile Asn Pro Ser Gly Ala Ser Thr Tyr Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ala Ser Thr Val Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Ser Asp Leu Val Val Ile Pro Thr Ala Ile Gln Gly Arg
100 105 110

Tyr Tyr Phe Asp Asn Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala
130 135 140

Gln Ala Val Leu Thr Gln Pro Ser Ser Val Ser Gly Ala Pro Gly Gln
145 150 155 160

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Asp Gly
165 170 175

Tyr Asp Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
180 185 190

Leu Ile Tyr Gly Asn Ser His Arg Pro Ser Gly Val Pro Asp Arg Phe
195 200 205

Ser Gly Ser Lys Ser Asp Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu
210 215 220

Gln Val Glu Asp Glu Ala Asp Tyr Phe Cys His Ser Tyr Asp Ser Ser
225 230 235 240

Val Ser Gly Trp Ile Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly
245 250 255

<210> 1968

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1968

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Thr Ser Tyr
20 25 30

Ala Val Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Thr Val Val Pro Gly Phe Gly Thr Arg Lys Tyr Ala Glu Lys Phe
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Arg Ala Ala Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Lys Ser Glu Asp Thr Ala Val Phe Tyr Cys
 85 90 95

Ala Arg Gly Lys Arg Tyr Ser Tyr Gly Trp Tyr Phe Asp Ile Trp Gly
 100 105 110

Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro
 130 135 140

Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Gly Thr Ile Ser Cys Thr
 145 150 155 160

Gly Ser Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln
 165 170 175

Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Ser Asn
 180 185 190

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr
 195 200 205

Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp
 210 215 220

Tyr Tyr Cys His Ser Tyr Asp Ser Ser Leu Ser Ala Tyr Val Phe Gly
 225 230 235 240

Thr Gly Thr Lys Leu Thr Val Leu Gly
 245

<210> 1969

<211> 243

<212> PRT

<213> Homo sapiens

<400> 1969

Glu Val Gln Leu Val Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Ser
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Val Lys Asp Thr Pro Leu Asp Pro Trp Gly Arg Gly Thr Leu Val Thr
 100 105 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro Ser Val Ser Gly Ala
 130 135 140

Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Gly Ser Ser Asn Ile
 145 150 155 160

Gly Ala Asp Tyr Asp Val His Trp Tyr Gln Gln Leu Pro Gly Ala Ala
 165 170 175

Pro Lys Leu Leu Ile Tyr Ala Asn Val Asn Arg Pro Ser Gly Val Pro
 180 185 190

Asp Arg Phe Ser Ala Ser Lys Ser Gly Thr Ser Ala Ser Leu Val Ile
 195 200 205

Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr
 210 215 220

Asp Ser Gly Leu Ser Ala Ser Val Phe Gly Gly Gly Thr Lys Leu Thr
 225 230 235 240

Val Leu Gly

<210> 1970

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1970

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Thr Ala Ser Gly Tyr Asn Phe Thr Asn Asn
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Ile Ile Ser Pro Asn Thr Ser Asn Thr Lys Tyr Ala Pro Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ala Thr Val Tyr
 65 70 75 80

Met Glu Leu Ser Thr Leu Arg Ser Glu Asp Thr Ala Ile Tyr Tyr Cys
 85 90 95

Ala Arg Glu Gly Asp Pro Thr Asp Asn Asp Ala Phe Asp Val Trp Gly
 100 105 110

Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro
 130 135 140

Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr
 145 150 155 160

Gly Ser Ser Ser Asn Ile Gly Asp Gly Tyr Asp Val His Trp Tyr Gln
 165 170 175

Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Thr Asn

2345

[illegible]

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<210> 1971
<211> 249
<212> PRT
<213> Homo sapiens
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<400> 1971
Glu Val Gln Leu Met Gln Ser Gly Ala Glu Leu Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Leu Ser Cys Lys Pro Ser Gly Tyr Thr Val Thr Pro Phe
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Ile Ile His Ser Ser Ser Gly Asn Thr Ala Tyr Ala His Asn Phe
50 55 60

Gln Gly Arg Ile Ala Met Ile Ser Asp Thr Ser Thr Gly Ser Val Tyr
65 70 75 80

Met Glu Leu Ser Gly Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Thr Asp Gly Pro Thr Tyr Ala Arg Pro Tyr Tyr Leu Asp His Trp
100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln
130 135 140

Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Ser Cys
145 150 155 160

Ser Gly Asp Arg Ser Asn Ile Gly Ser Asn Tyr Val Leu Trp Tyr Arg
165 170 175

Gln Leu Pro Gly Pro Ala Pro Lys Val Leu Ile Tyr Asn Asn Ser Gln
180 185 190

Arg Pro Ser Gly Val Pro Ala Arg Phe Ser Ala Ser Arg Ser Gly Thr
195 200 205

Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu Asp Glu Ala Asp
210 215 220

Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu Arg Gly Trp Val Phe Gly
225 230 235 240

Gly Gly Thr Lys Val Thr Val Leu Gly
245

<210> 1972

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1972

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Pro Gly Asn Thr Phe Ser Ser Tyr
20 25 30

Gly Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Val
35 40 45

Gly Gly Ile Phe Pro Ile Phe Asp Ala Val Asn Tyr Ala Glu Lys Phe
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Thr Thr Ala Tyr
65 70 75 80

Met Glu Leu Asn Arg Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Gly Thr Lys Tyr Asp Trp Gly Phe Asp Tyr Trp Gly Arg
 100 105 110

Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Leu Glu Ile Val Leu Thr Gln Ser
 130 135 140

Pro Ser Ser Val Ser Ala Ser Val Gly Asp Arg Val Ser Ile Thr Cys
 145 150 155 160

Arg Ala Ser Gln Gly Ile Gly Ser Trp Leu Phe Trp Tyr Gln Gln Lys
 165 170 175

Pro Gly Lys Ala Pro Lys Leu Leu Ile Ser Ala Val Ser Gly Leu Gln
 180 185 190

Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe
 195 200 205

Ala Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr
 210 215 220

Cys Gln Gln Ala His Ser Phe Pro Ile Thr Phe Gly Gln Gly Thr Arg
 225 230 235 240

Leu Glu Ile Lys Arg
 245

<210> 1973

<211> 254

<212> PRT

<213> Homo sapiens

<400> 1973

Gln Val Gln Leu Val Gln Ser Gly Val Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
 20 25 30

Gly Ile Val Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Met Ser Pro Tyr Asn Gly Tyr Thr Asn Tyr Ala Arg Lys Phe
 50 55 60

Glu Gly Arg Val Thr Met Thr Arg Glu Thr Ser Thr Thr Thr Ala Tyr
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Thr Phe Ser His Cys Ser Gly Gly Ser Cys Tyr Pro Phe
 100 105 110

Asp Tyr Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val
 130 135 140

Leu Thr Gln Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr
 145 150 155 160

Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val
 165 170 175

His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr
 180 185 190

Gly Asn Ser Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser
 195 200 205

Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu
 210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Asn Arg Leu Ser Gly
 225 230 235 240

Ser Asp Val Phe Gly Thr Gly Thr Lys Val Thr Val Leu Gly
 245 250

<210> 1974

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1974

Glu Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly

	1				5					10						15
Ser	Leu	Arg	Leu 20	Ser	Cys	Ala	Ala	Ser 25	Gly	Phe	Thr	Phe	Ser 30	Ser	Tyr	
Glu	Met	Asn 35	Trp	Val	Arg	Gln	Ala 40	Pro	Gly	Lys	Gly	Leu 45	Glu	Trp	Val	
Ser	Tyr 50	Ile	Ser	Ser	Ser	Gly 55	Ser	Thr	Ile	Tyr	Tyr 60	Ala	Asp	Ser	Val	
Lys 65	Gly	Arg	Phe	Thr	Ile 70	Ser	Arg	Asp	Asn	Ala 75	Lys	Asn	Ser	Leu	Tyr 80	
Leu	Gln	Met	Asn	Ser 85	Leu	Arg	Ala	Glu	Asp 90	Thr	Ala	Val	Tyr	Tyr 95	Cys	
Ala	Arg	Ser	Gly 100	Arg	Gln	Ala	Tyr	Tyr 105	Tyr	Tyr	Gly	Met	Asp 110	Val	Trp	
Gly	Gln	Gly 115	Thr	Leu	Val	Thr	Val 120	Ser	Ser	Gly	Gly	Gly 125	Gly	Ser	Gly	
Gly	Gly 130	Gly	Ser	Gly	Gly	Gly 135	Gly	Ser	Ala	Leu	Ser 140	Tyr	Val	Leu	Thr	
Gln 145	Pro	Pro	Ser	Leu	Ser 150	Glu	Ser	Pro	Gly	Gln 155	Thr	Ala	Lys	Ile	Thr 160	
Cys	Ser	Gly	Asp	Pro 165	Leu	Ser	Lys	His	Tyr 170	Ala	Tyr	Trp	Tyr	Gln 175	Gln	
Lys	Ser	Gly 180	Leu	Ala	Pro	Val	Leu	Val 185	Met	Ser	Lys	Asp	Asn 190	Glu	Arg	
Pro	Ser	Gly 195	Ile	Pro	Asp	Arg	Phe 200	Tyr	Gly	Ser	Ser	Ser 205	Gly	Thr	Thr	
Ala	Thr 210	Leu	Thr	Ile	Ser	Gly 215	Val	Gln	Val	Glu	Asp 220	Glu	Ala	Asp	Tyr	
Tyr 225	Cys	His	Ser	Val	Gly 230	Ser	Asp	Gly	Ser	Ser 235	Leu	Val	Phe	Gly	Gly 240	

2350

Gly Thr Gln Leu Thr Val Leu Ser
245

<210> 1975

<211> 246

<212> PRT

<213> Homo sapiens

<400> 1975

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Lys Glu Phe Phe Gly Tyr Val Tyr Leu Thr Asp Tyr Trp Gly Arg
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr Gln Asp
130 135 140

Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln
145 150 155 160

Gly Asp Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro
165 170 175

Gly Gln Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser
180 185 190

Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser

2351

195 200 205
 Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
 210 215 220
 Asn Ser Arg Asp Ser Ser Gly Asn His Leu Val Phe Gly Thr Gly Thr
 225 230 235 240
 Lys Leu Thr Val Leu Gly
 245

 <210> 1976
 <211> 248
 <212> PRT
 <213> Homo sapiens

 <400> 1976
 Glu Val Gln Leu Val Glu Thr Gly Gly Gly Leu Val Lys Pro Gly Gly
 1 5 10 15

 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
 20 25 30

 Trp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

 Gly Arg Ile Lys Thr Lys Thr Asp Gly Gly Thr Thr Asp Tyr Ala Ala
 50 55 60

 Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
 65 70 75 80

 Val Tyr Leu Gln Met Asn Ser Leu Gln Ser Glu Asp Thr Gly Val Tyr
 85 90 95

 Tyr Cys Thr Thr Leu His Cys Thr Gly Gly Ser Cys Gly Phe Trp Gly
 100 105 110

 Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
 115 120 125

 Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro
 130 135 140

 Ser Ser Ala Ser Ala Thr Pro Gly Gln Gly Val Thr Ile Ser Cys Ser
 145 150 155 160

2352

Gly Ser Ser Ser Asn Ile Gly Ser Asn Thr Val Asn Trp Tyr Gln Gln
 165 170 175

Val Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Asn Gln Arg
 180 185 190

Pro Ser Gly Val Pro Glu Arg Leu Ser Gly Ser Lys Ser Gly Thr Ser
 195 200 205

Ala Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr
 210 215 220

Tyr Cys Ala Ala Trp Asp Asp Ser Leu Asn Gly Val Val Phe Gly Gly
 225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly
 245

<210> 1977

<211> 250

<212> PRT

<213> Homo sapiens

<400> 1977

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15

Ser Val Lys Val Ser Cys Gln Ala Ser Gly Gly Thr Phe Ser Asn Tyr
 20 25 30

Ala Phe Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Ile Phe Ile Pro Val Phe Gly Thr Ser Tyr Tyr Thr Gln Asn Leu
 50 55 60

Glu Gly Arg Leu Thr Ile Thr Ala Asp Glu Ser Thr Arg Thr Thr Tyr
 65 70 75 80

Met Asp Leu Arg Ser Leu Arg Arg Glu Asp Thr Ala Leu Tyr Phe Cys
 85 90 95

Ala Arg Val Asp Tyr Thr Asp Tyr Glu Met Gly Ala Phe Glu Ile Trp
 100 105 110

Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln
 130 135 140

Pro Pro Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys
 145 150 155 160

Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr
 165 170 175

Gln Gln Leu Pro Gly Lys Gly Pro Lys Val Leu Met Tyr Asp Asn Asn
 180 185 190

Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly
 195 200 205

Ala Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala
 210 215 220

Asp Tyr Tyr Cys Gln Ser Tyr Asp Ser Ser Leu Asp Gly Tyr Val Phe
 225 230 235 240

Gly Thr Gly Thr Lys Val Thr Val Leu Gly
 245 250

<210> 1978

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1978

Glu Val Gln Leu Val Glu Thr Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Leu Thr Phe Ser Ser Tyr
 20 25 30

Ala Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Ala Ile Ser Gly Asn Gly Ser Asn Thr Tyr His Ala Asp Phe Val
 50 55 60

Lys Gly Arg Phe Thr Ala Ser Arg Asp Asn Ser Lys Ser Ile Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Thr Ala Asp Asp Ser Ala Val Tyr Tyr Cys
85 90 95

Ala Lys Val Gly Asn Phe Gly Tyr Tyr Phe Glu Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro Ser
130 135 140

Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Ser
145 150 155 160

Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln Gln Leu
165 170 175

Pro Arg Thr Ala Pro Lys Leu Leu Ile Phe Gly Asn Asn Asn Arg Pro
180 185 190

Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Arg Ser Val Thr Ser Ala
195 200 205

Ser Leu Val Ile Thr Gly Leu Gln Pro Asp Asp Glu Ala Asp Tyr Tyr
210 215 220

Cys Gln Ser Tyr Asp Ser Ser Leu Ser Gly Trp Val Phe Gly Gly Gly
225 230 235 240

Thr Lys Leu Thr Val Leu Gly
245

<210> 1979

<211> 245

<212> PRT

<213> Homo sapiens

<400> 1979

Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Glu
1 5 10 15

Ser Leu Glu Leu Ser Cys Ala Thr Ser Gly Phe Ser Phe Ser Gly Ala

20 25 30

Ala Ile His Trp Val Arg Gln Ala Ser Gly Lys Gly Leu Glu Trp Val
35 40 45

Gly Arg Ile Arg Asn Lys Gly Asn Asn Tyr Ala Thr Ala Tyr Ala Ala
50 55 60

Ser Val Glu Gly Arg Phe Thr Ile Ser Arg Asp Glu Ser Lys Asn Thr
65 70 75 80

Ala Tyr Leu His Leu Asn Ser Leu Lys Thr Glu Asp Thr Ala Arg Tyr
85 90 95

Phe Cys Thr Lys Ser Ser Arg Asn Gly Gly Asp Tyr Trp Gly Arg Gly
100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr Gln Asp Pro
130 135 140

Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly
145 150 155 160

Asp Ser Leu Arg Gly Asn Tyr Ala Thr Trp Tyr Gln Gln Lys Pro Gly
165 170 175

Gln Ala Pro Val Leu Val Phe Tyr Gly Lys Asn Asn Arg Pro Ser Trp
180 185 190

Ile Pro Asp Arg Phe Ser Gly Ser Arg Ser Gly Asn Thr Ala Ser Leu
195 200 205

Thr Ile Ser Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn
210 215 220

Ser Arg Asp Thr Ser Gly Asn His Arg Val Phe Gly Gly Gly Thr Lys
225 230 235 240

Leu Thr Val Leu Gly
245

<210> 1980

<211> 246

<212> PRT

<213> Homo sapiens

<400> 1980

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Ala Ile Arg Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Lys Asp Leu Ser Arg Val Ala Gly Arg Phe Asp Tyr Trp Gly Lys
 100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr Gln Asp
 130 135 140

Pro Thr Val Ser Val Ala Leu Gly Gln Thr Val Lys Ile Thr Cys Gln
 145 150 155 160

Gly Asp Ser Leu Arg Asn Tyr Tyr Ser Ser Trp Tyr Gln Gln Lys Pro
 165 170 175

Gly Gln Ala Pro Thr Leu Leu Ile Phe Gly Lys Asn Lys Arg Pro Ser
 180 185 190

Gly Ile Pro Gly Arg Phe Ser Gly Ser Asn Ser Gly Asn Thr Ser Ser
 195 200 205

Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys

2357

210 215 220
 Asn Ser Arg Asp Ser Ser Gly Thr His Leu Val Phe Gly Gly Gly Thr
 225 230 235 240

 Lys Val Thr Val Leu Gly
 245

 <210> 1981
 <211> 247
 <212> PRT
 <213> Homo sapiens

 <400> 1981
 Gln Leu Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Leu Glu
 1 5 10 15

 Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Val Ser Gly Arg
 20 25 30

 Thr His Tyr Trp Gly Trp Ile Arg Leu Pro Pro Gly Lys Gly Met Glu
 35 40 45

 Trp Ile Ala Ser Leu Ser Phe Asp Gly Thr Pro Phe Tyr Asn Pro Ser
 50 55 60

 Leu Lys Ser Arg Val Ser Val Ser Arg Asp Thr Ser Lys Asn Gln Phe
 65 70 75 80

 Ser Leu Lys Val Thr Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr
 85 90 95

 Cys Ala Arg His Asp Val Tyr Gly Asp Leu Phe Asp Tyr Trp Gly Gln
 100 105 110

 Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

 Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro
 130 135 140

 Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Pro Ile Ser Cys Ser Gly
 145 150 155 160

 Ser Gly Ser Asn Ile Gly Ser Asn Ser Val Ser Trp Tyr Gln Gln Val
 165 170 175

2358

Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Asn Asn Asn Glu Arg Pro
 180 185 190

Ser Gly Val Pro Asp Arg Phe Ser Ala Ser Lys Ser Gly Thr Ser Ala
 195 200 205

Ser Leu Ala Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr
 210 215 220

Cys Ala Ser Trp Asp Asp Ser Leu Thr Val Pro Val Phe Gly Gly Gly
 225 230 235 240

Thr Lys Leu Thr Val Leu Gly
 245

<210> 1982

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1982

Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Thr Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Lys Ala
 20 25 30

Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Gly Arg Ile Lys Thr Lys Thr Asp Gly Gly Ala Pro Asp Tyr Ala Ala
 50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
 65 70 75 80

Val Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Ala Ala Val Tyr
 85 90 95

Tyr Cys Ser Thr Leu His Cys Ser Gly Gly Ser Cys Gly Phe Trp Gly
 100 105 110

Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro
 130 135 140

Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Ser Ile Ser Cys Ser
 145 150 155 160

Gly Ser Thr Ser Asn Ile Gly Thr Asn Thr Val Asn Trp Tyr Arg Gln
 165 170 175

Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Ser Asn Asn Gln Arg
 180 185 190

Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser
 195 200 205

Val Ser Leu Asp Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr
 210 215 220

Phe Cys Ala Ala Trp Asp Gly Ser Arg Asn Gly Val Val Phe Gly Gly
 225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly
 245

<210> 1983

<211> 254

<212> PRT

<213> Homo sapiens

<400> 1983

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Glu Gly Ser Ile Val Gly Ala Thr Leu Thr Ile Asn Asp Ala
100 105 110

Phe Asp Ile Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser
130 135 140

Val Val Thr Gln Pro Pro Ser Val Ser Gly Ala Pro Gly Gln Arg Val
145 150 155 160

Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Asp Gly Tyr Asp
165 170 175

Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile
180 185 190

Tyr Gly Asn Thr Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly
195 200 205

Ser Lys Ser Asp Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Val
210 215 220

Glu Asp Glu Ala Asp Tyr Phe Cys His Ser Tyr Asp Ser Ser Leu Ser
225 230 235 240

Gly Trp Ile Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly
245 250

<210> 1984

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1984

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
20 25 30

Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met

35 40 45
 Gly Thr Val Ile Pro Asn Ser Asn Ile Arg Lys Tyr Ala Gln Lys Phe
 50 55 60
 Gln Gly Arg Val Thr Ile Thr Ala Asp Asp Ser Thr Arg Thr Ala Tyr
 65 70 75 80
 Met Glu Leu Ser Ser Leu Arg Ser Gly Asp Thr Ala Ile Phe Tyr Cys
 85 90 95
 Ala Arg Gly Lys Arg Tyr Ser Tyr Gly Trp Tyr Phe Asp Ile Trp Gly
 100 105 110
 Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
 115 120 125
 Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro
 130 135 140
 Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr
 145 150 155 160
 Gly Ser Asn Ser Asp Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln
 165 170 175
 Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Asn Asn
 180 185 190
 Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr
 195 200 205
 Ser Ala Ser Leu Ala Ile Thr Glu Leu Gln Ala Glu Asp Glu Ala Asp
 210 215 220
 Tyr Tyr Cys Gln Ser Tyr Asp Ser Ser Leu Ser Gly Tyr Val Phe Gly
 225 230 235 240
 Ser Gly Thr Lys Leu Thr Val Leu Gly
 245

<210> 1985

<211> 242

<212> PRT

<213> Homo sapiens

<400> 1985

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Asp Tyr
 20 25 30

Phe Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Asn Pro Lys Asn Gly Gly Thr Tyr Phe Ala Gln Asp Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Gly Asp Thr Ser Ile Ala Thr Ala Phe
 65 70 75 80

Met Glu Leu Ser Gly Leu Lys Ser Asp Asp Thr Ala Ile Tyr Tyr Cys
 85 90 95

Ala Thr Asp Pro Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Ala Leu Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Gly Thr
 130 135 140

Pro Gly Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Asn Ser Asn Ile
 145 150 155 160

Gly Ile Asn Ala Val Asn Trp Tyr Lys Gln Leu Pro Gly Thr Ala Pro
 165 170 175

Lys Leu Leu Ile Tyr Asn Asn Asn Gln Arg Pro Ser Trp Val Arg Asp
 180 185 190

Arg Phe Ser Gly Ser Lys Asp Gly Thr Ser Val Ser Leu Ala Ile Ser
 195 200 205

Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp
 210 215 220

Asp Ser Leu Asn Ala Tyr Val Phe Gly Gly Gly Thr Lys Val Thr Val

225

230

235

240

Leu Gly

<210> 1986

<211> 249

<212> PRT

<213> Homo sapiens

<400> 1986

Glu Val Gln Leu Met Gln Ser Gly Ala Glu Leu Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Leu Ser Cys Lys Pro Ser Gly Tyr Thr Val Thr Pro Phe
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Ile Ile His Ser Ser Ser Gly Asn Thr Ala Tyr Ala His Asn Phe
 50 55 60

Gln Gly Arg Ile Ala Met Ile Ser Asp Thr Ser Thr Gly Ser Val Tyr
 65 70 75 80

Met Glu Leu Ser Gly Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Thr Asp Gly Pro Thr Tyr Ala Arg Pro Tyr Tyr Leu Asp His Trp
 100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln
 130 135 140

Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Ser Cys
 145 150 155 160

Ser Gly Asp Arg Ser Asn Ile Gly Ser Asn Tyr Val His Trp Tyr Arg
 165 170 175

Gln Leu Pro Gly Thr Ala Pro Lys Val Leu Ile Tyr Asn Asn Ser Gln
 180 185 190

2364

Arg Pro Ser Gly Val Pro Ala Arg Phe Ser Ala Ser Arg Ser Gly Thr
 195 200 205

Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu Asp Glu Ala Asp
 210 215 220

Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu Arg Gly Trp Val Phe Gly
 225 230 235 240

Gly Gly Thr Lys Val Thr Val Leu Gly
 245

<210> 1987

<211> 253

<212> PRT

<213> Homo sapiens

<400> 1987

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Arg Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Tyr His
 20 25 30

Tyr Leu His Trp Val Arg Gln Val Pro Gly Arg Gly Leu Glu Trp Met
 35 40 45

Gly Ile Ile Asn Pro Arg Asn Tyr Ile Thr Thr Asn Ala Gln Thr Phe
 50 55 60

Gln Gly Arg Leu Ser Met Thr Thr Asp Thr Ser Thr Ser Thr Val Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Thr Ser Asp Asp Thr Gly Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Ser Ser Gly Thr Leu Gly Glu Phe Ser Leu Glu Leu Pro
 100 105 110

Phe Asp Tyr Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser
 130 135 140

Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Ala Pro Gly Gln Arg Val
145 150 155 160

Thr Phe Ser Cys Ser Gly Gly Ser Ser Asn Ile Gly Ser Ser Tyr Val
165 170 175

Tyr Trp Tyr Arg Gln Leu Pro Gly Ser Ala Pro Lys Leu Val Ile Tyr
180 185 190

Arg Asn Asp Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Phe
195 200 205

Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu
210 215 220

Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Arg Leu Arg Gly
225 230 235 240

Leu Ala Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
245 250

<210> 1988

<211> 248

<212> PRT

<213> Homo sapiens

<400> 1988

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Gly Ser Cys Lys Ser Ser Gly Gly Thr Phe Ser Ser Tyr
20 25 30

Ala Leu Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Gly Ile Ile Pro Ile Phe Gly Thr Thr Asn Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Thr Thr Leu Gly Arg Asn Tyr Thr Ser Ser Trp Ser Leu Asp Tyr Trp
 100 105 110

Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr
 130 135 140

Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr
 145 150 155 160

Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln
 165 170 175

Lys Pro Arg Gln Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asp Arg
 180 185 190

Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Asn Ser Gly Asn Thr
 195 200 205

Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr
 210 215 220

Tyr Cys Asn Ser Arg Asp Thr Ser Gly Asn His Leu Val Phe Gly Thr
 225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly
 245

<210> 1989

<211> 240

<212> PRT

<213> Homo sapiens

<400> 1989

Gln Val Gln Leu Gln Gln Ser Gly Ala Gly Val Arg Arg Pro Gly Thr
 1 5 10 15

Ser Val Lys Ile Ser Cys Lys Thr Ser Gly Tyr Ile Phe Ser Gln Tyr
 20 25 30

Pro Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Val
 35 40 45

Ala Trp Ile Asp Thr Gly Asn Gly Ser Thr Arg Tyr Ser Pro Asn Phe

50 55 60
 Gln Asp Arg Val Thr Val Thr Arg Asp Thr Ser Ala Asn Thr Ala Tyr
 65 70 75 80
 Leu Glu Leu Arg Ser Leu Arg Phe Thr Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Thr Asn Ala Phe Asp Tyr Trp Gly Lys Gly Thr Leu Val Thr Val
 100 105 110
 Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125
 Ser Ala Leu Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala
 130 135 140
 Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Asn
 145 150 155 160
 Tyr Tyr Ala Gly Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Ala Leu
 165 170 175
 Val Ile Ser Gly Lys Asn Asn Arg Ala Ser Gly Ile Pro Asp Arg Phe
 180 185 190
 Ser Ser Ser Asp Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala
 195 200 205
 Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser
 210 215 220
 Gly Asn Leu Ile Ile Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly
 225 230 235 240

 <210> 1990
 <211> 250
 <212> PRT
 <213> Homo sapiens

 <400> 1990
 Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gly
 1 5 10 15
 Thr Leu Ser Leu Thr Cys Ala Val Ser Gly Gly Ser Ile Ser Ser Pro
 20 25 30

2368

Asn Trp Arg Ser Trp Val Arg Gln Pro Pro Gly Lys Val Leu Glu Trp
 35 40 45

Ile Gly Glu Ile Tyr His Ser Gly Ser Ile Asn Tyr Asn Pro Ser Leu
 50 55 60

Lys Ser Arg Gly Thr Met Ser Val Asp Lys Ser Lys Asn Gln Phe Ser
 65 70 75 80

Leu Ile Leu Asn Ser Val Thr Ala Ala Asp Thr Thr Val Tyr Tyr Cys
 85 90 95

Ala Arg Gly Arg Gly Tyr Ser Ser Ser Ser Ser Val Tyr Gly Met Asp
 100 105 110

Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly
 115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu
 130 135 140

Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg
 145 150 155 160

Ile Thr Cys Gln Gly Asp Ser Leu Arg Thr Tyr Tyr Ala Asn Trp Tyr
 165 170 175

Gln Gln Lys Pro Gly Gln Ala Pro Val Val Val Ile Tyr Gly Lys Ile
 180 185 190

Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly
 195 200 205

Tyr Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala
 210 215 220

Asp Tyr Tyr Cys Asn Ser Gly Asp Arg Ser Gly Asn His Tyr Val Phe
 225 230 235 240

Gly Thr Gly Thr Lys Val Thr Val Leu Gly
 245 250

<210> 1991

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Met Val Thr Val
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln
130 135 140

Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala
145 150 155 160

Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr
165 170 175

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
180 185 190

Gly Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
195 200 205

Asp Glu Ala Asp Tyr Tyr Cys Asn Pro Arg Asp Ser Ser Gly Asn His
210 215 220

Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
225 230 235

<210> 2007

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2007

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Arg Gly Thr Met Val Thr Val
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly
 130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser
 145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu
 165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe
 180 185 190

Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu
 195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser
 210 215 220

Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 225 230 235 240

<210> 2008

<211> 241

<212> PRT

<213> Homo sapiens

<400> 2008

Gln Val Gln Leu Gln Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala

1	5	10	15																
Ser	Val	Lys	Val	Ser	Cys	Lys	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Gly	Tyr				
			20					25						30					
Tyr	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Gln	Gly	Leu	Glu	Trp	Met				
		35					40					45							
Gly	Trp	Ile	Asn	Pro	Asn	Ser	Gly	Gly	Thr	Asn	Tyr	Ala	Gln	Lys	Phe				
	50					55					60								
Gln	Gly	Arg	Val	Thr	Met	Thr	Arg	Asp	Thr	Ser	Ile	Ser	Thr	Ala	Tyr				
65					70					75					80				
Met	Glu	Leu	Ser	Arg	Leu	Arg	Ser	Asp	Asp	Thr	Ala	Val	Tyr	Tyr	Cys				
				85					90					95					
Ala	Arg	Gly	Ala	Gly	Ser	Arg	Tyr	Phe	Asp	Leu	Trp	Gly	Gln	Ser	Thr				
			100					105					110						
Leu	Val	Thr	Val	Ser	Ser	Gly	Gly	Gly	Gly	Ser	Gly	Gly	Gly	Gly	Ser				
		115				120						125							
Gly	Gly	Gly	Gly	Ser	Ser	Glu	Leu	Thr	Gln	Asp	Pro	Ala	Val	Ser	Val				
	130					135					140								
Ala	Leu	Gly	Gln	Thr	Val	Arg	Ile	Thr	Cys	Gln	Gly	Asp	Ser	Leu	Arg				
145					150					155					160				
Ser	Tyr	Tyr	Ala	Ser	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln	Ala	Pro	Val				
				165					170					175					
Leu	Val	Ile	Tyr	Gly	Lys	Asn	Asn	Arg	Pro	Ser	Gly	Ile	Pro	Asp	Arg				
			180					185					190						
Phe	Ser	Gly	Ser	Ser	Ser	Gly	Asn	Thr	Ala	Ser	Leu	Thr	Ile	Thr	Gly				
		195					200					205							
Ala	Gln	Ala	Glu	Asp	Glu	Ala	Asp	Tyr	Tyr	Cys	His	Ser	Arg	Asp	Ser				
	210					215					220								
Ser	Gly	Asn	His	Val	Leu	Phe	Gly	Gly	Gly	Thr	Lys	Leu	Thr	Val	Leu				
225					230					235					240				

Gly

<210> 2009

<211> 243

<212> PRT

<213> Homo sapiens

<400> 2009

Gly Val Gln Leu Val Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Gly Gly Asp Arg Ala Phe Asp Ile Trp Gly Arg Ser Thr Leu
 100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly
 115 120 125

Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly
 130 135 140

Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp
 145 150 155 160

Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys
 165 170 175

Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val
 180 185 190

Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr

195 200 205

Val Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser
210 215 220

Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr
225 230 235 240

Val Leu Gly

<210> 2010
<211> 236
<212> PRT
<213> Homo sapiens

<400> 2010
Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Met Val Thr Val
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln
130 135 140

Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala
145 150 155 160

Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Ser Val Leu Val Ile Tyr
 165 170 175

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
 180 185 190

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
 195 200 205

Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg Ser Thr Arg
 210 215 220

Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 225 230 235

<210> 2011

<211> 244

<212> PRT

<213> Homo sapiens

<400> 2011

Gly Val Gln Leu Val Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Gly Asn Ala Trp Gly Ala Phe Asp Ile Trp Gly Arg Ser Thr
 100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
 115 120 125

Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser
 130 135 140

Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser
 145 150 155 160

Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly
 165 170 175

Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly
 180 185 190

Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu
 195 200 205

Thr Val Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser
 210 215 220

Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu
 225 230 235 240

Thr Val Leu Gly

<210> 2012
 <211> 243
 <212> PRT
 <213> Homo sapiens

<400> 2012
 Gln Val Gln Leu Gln Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Gly Asp Arg Ala Phe Asp Ile Trp Gly Arg Ser Thr Leu
100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly
115 120 125

Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly
130 135 140

Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp
145 150 155 160

Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys
165 170 175

Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val
180 185 190

Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr
195 200 205

Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser
210 215 220

Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Ala
225 230 235 240

Val Leu Gly

<210> 2013

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2013

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

2395

35 40 45
 Ser Val Ile Asn Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
 50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Lys Val Lys Arg Tyr Tyr Phe Asp Tyr Trp Gly Arg Gly Thr Met
 100 105 110
 Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
 115 120 125
 Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala
 130 135 140
 Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser
 145 150 155 160
 Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu
 165 170 175
 Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe
 180 185 190
 Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala
 195 200 205
 Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser
 210 215 220
 Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 225 230 235 240

 <210> 2014
 <211> 243
 <212> PRT
 <213> Homo sapiens

 <400> 2014
 Gln Val Asn Leu Arg Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Glu Leu Thr Gly Ala Asn Asp Ala Phe Asp Ile Trp Gly Arg
100 105 110

Ser Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
115 120 125

Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val
130 135 140

Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser
145 150 155 160

Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala
165 170 175

Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro
180 185 190

Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile
195 200 205

Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg
210 215 220

Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr
225 230 235 240

Val Leu Gly

<210> 2015

<211> 239

<212> PRT

<213> Homo sapiens

<400> 2015

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser_Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
 20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Gly Ile Asn Trp Asn Gly Gly Ser Thr Gly Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Arg Arg Tyr Ala Leu Asp Tyr Trp Gly Arg Gly Thr Leu Val
 100 105 110

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
 115 120 125

Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu
 130 135 140

Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr
 145 150 155 160

Tyr Ala Ser Trp Tyr Gln Gln Thr Pro Gly Gln Ala Pro Val Leu Val
 165 170 175

Ile His Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser
 180 185 190

Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln
 195 200 205

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly
 210 215 220

Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 225 230 235

<210> 2016

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2016

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly
 130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser
 145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu
 165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe
180 185 190

Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu
195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser
210 215 220

Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
225 230 235 240

<210> 2017

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2017

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Glu Met Asn Trp Val Arg Arg Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val
130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser
145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu
165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser
180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln
195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro
210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
225 230 235

<210> 2018

<211> 239

<212> PRT

<213> Homo sapiens

<400> 2018

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Phe Ala Leu Tyr Lys Asp Trp Gly Gln Gly Thr Leu Val
100 105 110

Thr Val Ser Arg Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly

115 120 125
 Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu
 130 135 140
 Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr
 145 150 155 160
 Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val
 165 170 175
 Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser
 180 185 190
 Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln
 195 200 205
 Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly
 210 215 220
 Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 225 230 235

 <210> 2019
 <211> 237
 <212> PRT
 <213> Homo sapiens

 <400> 2019
 Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30
 Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Arg Gly Thr Met Val Thr Val
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val
 130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser
 145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu
 165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser
 180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln
 195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro
 210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
 225 230 235

<210> 2020

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2020

Glu Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val
 130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser
 145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu
 165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser
 180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln
 195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro
 210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
 225 230 235

<210> 2021

<211> 242

<212> PRT

<213> Homo sapiens

<400> 2021

Gln Val Asn Leu Arg Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Asp Leu Thr Gly Asp Ala Phe Asp Ile Trp Gly Arg Ser
 100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asn Pro Ala Val Ser
 130 135 140

Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu
 145 150 155 160

Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro
 165 170 175

Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp
 180 185 190

Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr
 195 200 205

Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp
 210 215 220

Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val
 225 230 235 240

Leu Gly

<210> 2022

<211> 239

<212> PRT

<213> Homo sapiens

<400> 2022

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30
 Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
 50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Gly Asp Ala Tyr Phe Asp Tyr Trp Gly Arg Gly Thr Met Val
 100 105 110
 Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
 115 120 125
 Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu
 130 135 140
 Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr
 145 150 155 160
 Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val
 165 170 175
 Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser
 180 185 190
 Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln
 195 200 205
 Ala Glu Asp Glu Ala Asp Tyr Tyr Cys His Ser Arg Asp Ser Ser Gly
 210 215 220

Asn His Val Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 225 230 235

<210> 2023

<211> 239

<212> PRT

<213> Homo sapiens

<400> 2023

Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Val Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Gly Tyr
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Gly Asp Ala Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Met Val
 100 105 110

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
 115 120 125

Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu
 130 135 140

Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr
 145 150 155 160

Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val
 165 170 175

Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser
 180 185 190

Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln

195

200

205

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys His Ser Arg Asp Ser Ser Gly
 210 215 220

Asn His Val Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 225 230 235

<210> 2024

<211> 238

<212> PRT

<213> Homo sapiens

<400> 2024

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gln Ser Val Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly
 130 135 140

Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr
 145 150 155 160

Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile
 165 170 175

2408

Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly
 180 185 190

Ser Ser Ser Gly Asn Ala Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala
 195 200 205

Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn
 210 215 220

His Val Val Phe Gly Arg Gly Thr Lys Leu Thr Val Leu Gly
 225 230 235

<210> 2025

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2025

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Arg Gly Thr Leu Val Thr Val
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly
 130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser
145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu
165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe
180 185 190

Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu
195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser
210 215 220

Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
225 230 235 240

<210> 2026

<211> 244

<212> PRT

<213> Homo sapiens

<400> 2026

Gly Val Gln Leu Val Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Glu Gly Leu Leu Asp Ala Phe Asp Ile Trp Gly Arg Ser Thr
100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
 115 120 125

Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser
 130 135 140

Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser
 145 150 155 160

Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly
 165 170 175

Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly
 180 185 190

Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu
 195 200 205

Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser
 210 215 220

Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu
 225 230 235 240

Thr Val Leu Gly

<210> 2027

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2027

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ala Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr

65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val
130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser
145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu
165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser
180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln
195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro
210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
225 230 235

<210> 2028
<211> 237
<212> PRT
<213> Homo sapiens

<400> 2028
Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Thr Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

2412

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Met Val Thr Val
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val
 130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser
 145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu
 165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser
 180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln
 195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro
 210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
 225 230 235

<210> 2029

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2029

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Lys Gly Thr Leu Val Thr Val
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly
130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser
145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu
165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe
180 185 190

Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu
195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Gly Asp Ser
210 215 220

Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
225 230 235 240

<210> 2030

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2030

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Met Val Thr Val
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly
 130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser
 145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu
 165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe
 180 185 190

Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu
 195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Gly Ser
 210 215 220

Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 225 230 235 240

<210> 2031

<211> 241

<212> PRT

<213> Homo sapiens

<400> 2031

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Met Asn Pro Asn Ser Gly Asn Thr Gly Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asn Thr Ser Ile Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Val Gly Tyr Gly Gly Lys Gly Asp Tyr Trp Gly Arg Gly Thr
 100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
 115 120 125

Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val
 130 135 140

Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg
 145 150 155 160

Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val
 165 170 175

Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg
 180 185 190

Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly
 195 200 205

Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser
 210 215 220

Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
 225 230 235 240

Gly

<210> 2032

<211> 241

<212> PRT

<213> Homo sapiens

<400> 2032

Gln Val Gln Leu Gln Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Gly Ala Gly Ser Arg Tyr Phe Asp Leu Trp Gly Arg Ser Thr
 100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
 115 120 125

Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val
 130 135 140

Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg

2417

145 150 155 160
 Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Leu
 165 170 175
 Leu Val Val Tyr Ala Lys Asn Lys Arg Pro Ser Gly Ile Pro Asp Arg
 180 185 190
 Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly
 195 200 205
 Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys His Ser Arg Asp Ser
 210 215 220
 Ser Gly Asn His Val Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
 225 230 235 240

Gly

<210> 2033
 <211> 249
 <212> PRT
 <213> Homo sapiens

<400> 2033
 Gln Val Thr Leu Lys Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr
 20 25 30

His Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Asp Thr Asn Tyr Val Lys Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Val Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Ser Arg Leu Thr Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Gly Leu Ala Pro Ile Val Asp Gly Gly Met Thr Asn Asp Ala
 100 105 110

2418

Phe Asp Ile Trp Gly Arg Ser Thr Leu Val Thr Val Ser Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu
 130 135 140

Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile
 145 150 155 160

Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln
 165 170 175

Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asn
 180 185 190

Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn
 195 200 205

Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp
 210 215 220

Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His Val Val Phe Gly
 225 230 235 240

Gly Gly Thr Lys Leu Thr Val Leu Gly
 245

<210> 2034

<211> 239

<212> PRT

<213> Homo sapiens

<400> 2034

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Met Val Thr Val
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly
 130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser
 145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu
 165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe
 180 185 190

Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu
 195 200 205

Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr Arg
 210 215 220

Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 225 230 235

<210> 2035

<211> 239

<212> PRT

<213> Homo sapiens

<400> 2035

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Arg Leu Ile Arg Lys Ala Arg Trp Gly Gln Gly Thr Leu Val
 100 105 110

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
 115 120 125

Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Val Val Ser Val Ala Leu
 130 135 140

Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr
 145 150 155 160

Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val
 165 170 175

Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser
 180 185 190

Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln
 195 200 205

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly
 210 215 220

Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 225 230 235

<210> 2036

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2036

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly

1	5	10	15
Ser Leu Arg	Leu Ser Cys Ala Ala	Ser Gly Phe Thr Phe	Ser Ser Tyr
	20	25	30
Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val			
	35	40	45
Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val			
	50	55	60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr			
	65	70	75
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys			
	85	90	95
Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Met Val Thr Val			
	100	105	110
Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly			
	115	120	125
Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln			
	130	135	140
Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala			
	145	150	155
Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr			
	165	170	175
Ala Lys Asn Lys Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser			
	180	185	190
Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu			
	195	200	205
Asp Glu Ala Asp Tyr Tyr Cys His Ser Arg Asp Ser Ser Gly Asn His			
	210	215	220
Val Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly			
	225	230	235

<210> 2037
 <211> 244
 <212> PRT
 <213> Homo sapiens

<400> 2037

Glu Val Gln Leu Val Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Arg Gly Asn Gln Ala Phe Asp Ile Trp Gly Arg Ser Thr
 100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
 115 120 125

Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser
 130 135 140

Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser
 145 150 155 160

Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly
 165 170 175

Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly
 180 185 190

Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu
 195 200 205

Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser

210

215

220

Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu
 225 230 235 240

Thr Val Leu Gly

<210> 2038

<211> 239

<212> PRT

<213> Homo sapiens

<400> 2038

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Arg Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
 20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Gly Ile Asn Trp Asn Gly Gly Ser Thr Gly Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Arg Arg Tyr Ala Leu Asp Tyr Trp Gly Gln Gly Thr Leu Val
 100 105 110

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
 115 120 125

Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu
 130 135 140

Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr
 145 150 155 160

Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val
 165 170 175

2424

Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser
 180 185 190

Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln
 195 200 205

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly
 210 215 220

Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 225 230 235

<210> 2039

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2039

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Thr Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Arg Gly Thr Met Val Thr Val
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln
 130 135 140

Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala
145 150 155 160

Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr
165 170 175

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
180 185 190

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
195 200 205

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His
210 215 220

Val Val Phe Asp Gly Gly Thr Lys Leu Thr Val Leu Gly
225 230 235

<210> 2040

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2040

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Leu Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Arg Gly Thr Leu Val Thr Val
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val
 130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser
 145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu
 165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser
 180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln
 195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro
 210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
 225 230 235

<210> 2041

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2041

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys

85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Thr Pro Gly
130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser
145 150 155 160

Asn Thr Val Ser Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu
165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe
180 185 190

Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu
195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser
210 215 220

Leu Asn Ser Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
225 230 235 240

<210> 2042
<211> 245
<212> PRT
<213> Homo sapiens

<400> 2042
Ala Val Gln Leu Val Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Ser Arg Ser Pro Tyr Asp Ala Phe Asp Ile Trp Gly Arg Ser
100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val
130 135 140

Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser
145 150 155 160

Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro
165 170 175

Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser
180 185 190

Gly Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser
195 200 205

Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
210 215 220

Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys
225 230 235 240

Leu Thr Val Leu Gly
245

<210> 2043

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2043

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val
130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser
145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu
165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser
180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln
195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro
210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
225 230 235

<210> 2044

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2044

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Met Val Thr Val
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly
 130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser
 145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu
 165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe
 180 185 190

Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu
 195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser
 210 215 220

Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 225 230 235 240

<210> 2045

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2045

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Lys Gly Thr Leu Val Thr Val
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly
 130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Thr Asn Ile Gly Ser
 145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu
 165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe
 180 185 190

Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu
195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser
210 215 220

Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
225 230 235 240

<210> 2046

<211> 242

<212> PRT

<213> Homo sapiens

<400> 2046

Gly Val Gln Leu Val Glu Ser Gly Ala Glu Val Lys Arg Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
20 25 30

Tyr Met His Trp Val Arg Gln Val Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Ser Asn Trp Gly Gly Asp Ala Phe Asp Ile Trp Gly Arg Ser
100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser
130 135 140

Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu
145 150 155 160

Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro

2433

165 170 175

Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp
180 185 190

Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr
195 200 205

Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp
210 215 220

Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val
225 230 235 240

Leu Gly

<210> 2047
<211> 240
<212> PRT
<213> Homo sapiens

<400> 2047
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ser Leu Ala Phe Asp Ile Trp Gly Lys Ser Thr Leu Val Thr Val
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly
130 135 140

Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly
145 150 155 160

Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys
165 170 175

Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg
180 185 190

Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly
195 200 205

Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr
210 215 220

Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
225 230 235 240

<210> 2048

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2048

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly
 130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser
 145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu
 165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe
 180 185 190

Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu
 195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser
 210 215 220

Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Glu Leu Thr Val Leu Gly
 225 230 235 240

<210> 2049

<211> 249

<212> PRT

<213> Homo sapiens

<400> 2049

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Glu Pro Gly Ala
 1 5 10 15

Ser Val Lys Ile Ser Cys Glu Ala Ser Gly Tyr Thr Phe Thr Asn Asn
 20 25 30

Phe Ile Asp Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Thr Ile Ser Gly Ser Thr Gly Asn Thr Tyr Tyr Lys Gln Gly Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ala Thr Ser Thr Ala Tyr
65 70 75 80

Leu Glu Val Arg Gly Leu Thr Ser Glu Asp Thr Ala Ile Tyr Phe Cys
85 90 95

Ala Arg Pro Ala Ala Ser Ser Arg Gly Pro Lys Asp Ala Phe Asp Ile
100 105 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln
130 135 140

Pro Pro Ser Val Ser Ala Ala Pro Gly Gln Lys Val Thr Ile Ser Cys
145 150 155 160

Ser Gly Ser Thr Ser Asn Ile Gly Asn Asn Tyr Val Ser Trp Tyr Gln
165 170 175

Gln His Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Asp Val Ser Lys
180 185 190

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Asn
195 200 205

Ser Ala Ser Leu Asp Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp
210 215 220

Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu Ser Glu Phe Leu Phe Gly
225 230 235 240

Thr Gly Thr Lys Leu Thr Val Leu Gly
245

<210> 2050

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2050

Gln Val Gln Leu Gln Gln Ser Gly Gly Gly Leu Leu Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ala Phe Lys Asn Tyr

20 25 30
 Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Ser Thr Ile Ser Asp Ser Gly Gly Leu Thr His Ser Ala Asp Ser Leu
 50 55 60
 Lys Gly Arg Val Thr Val Ser Arg Asp Asn Ser Glu Asn Thr Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Leu Ser Gly Asp Ser Trp Gly Gln Gly Thr Leu Val Thr Val
 100 105 110
 Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125
 Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly
 130 135 140
 Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly
 145 150 155 160
 Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys
 165 170 175
 Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg
 180 185 190
 Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly
 195 200 205
 Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr
 210 215 220
 Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 225 230 235 240

<210> 2051

<211> 243

<212> PRT

<213> Homo sapiens

2438

<400> 2051

Gln Val Gln Leu Gln Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser His Tyr
 20 25 30

Trp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Ala Glu
 35 40 45

Ala Ser Ile Lys Arg Asp Gly Ser Gln Gln Tyr Tyr Leu Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Ser
 65 70 75 80

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Gly Val Ala Ala Gly Glu Asp Tyr Trp Gly Arg Gly Thr
 100 105 110

Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser
 115 120 125

Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Val Ser
 130 135 140

Ala Ala Pro Gly Gln Lys Val Thr Ile Ser Cys Ser Gly Ser Asn Ser
 145 150 155 160

Asn Ile Gly Asn Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys
 165 170 175

Val Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val
 180 185 190

Ser Asn Arg Phe Ser Ala Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr
 195 200 205

Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser
 210 215 220

Tyr Thr Ser Ser Ser Thr Tyr Ala Phe Gly Thr Gly Thr Lys Leu Thr

225

230

235

240

Val Leu Gly

<210> 2052

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2052

Gly Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Thr Ser Gly Phe Arg Phe Ser Asp Tyr
 20 25 30

Ala Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Ser Ile Thr Gly Arg Gly Gly Gly Thr His Tyr Ala Gly Ser Val
 50 55 60

Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr
 65 70 75 80

Leu Gln Met Asn Asn Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Ser Phe Val Leu Asp Tyr Trp Gly Lys Gly Thr Leu Val Thr Val
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly
 130 135 140

Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly
 145 150 155 160

Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys
 165 170 175

Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg
 180 185 190

2440

Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly
 195 200 205

Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr
 210 215 220

Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 225 230 235 240

<210> 2053

<211> 238

<212> PRT

<213> Homo sapiens

<400> 2053

Gln Val Gln Leu Gln Gln Trp Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Ser Thr Phe Ser Thr Tyr
 20 25 30

Ser Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Ser Ile Ser Tyr Asp Gly Ser Ile Lys Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Lys Gly Asn Gly Lys Asp Val Trp Gly Arg Gly Thr Leu Val Thr
 100 105 110

Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser
 130 135 140

Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser
 145 150 155 160

Ser Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val
165 170 175

Leu Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe
180 185 190

Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu
195 200 205

Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr
210 215 220

Pro Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Val Lys Arg
225 230 235

<210> 2054

<211> 241

<212> PRT

<213> Homo sapiens

<400> 2054

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Glu Ala Ser Gly Phe Thr Phe Ser His Tyr
20 25 30

Trp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Ala Val
35 40 45

Ala Ser Ile Lys Arg Asp Gly Ser Gln Gln Tyr Tyr Leu Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Ser
65 70 75 80

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Glu Gly Val Ala Ala Gly Glu Asp Tyr Trp Gly Arg Gly Thr
100 105 110

Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
115 120 125

Gly Gly Gly Gly Ser Asp Val Val Met Thr Gln Ser Pro Ser Ser Val
 130 135 140

Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln
 145 150 155 160

Gly Ile Ser Ser Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala
 165 170 175

Pro Lys Leu Leu Ile Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro
 180 185 190

Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile
 195 200 205

Ser Thr Leu Gln Pro Glu Asp Val Ala Thr Tyr Tyr Cys Glu Asn Tyr
 210 215 220

Asn Ser Val Pro Leu Ser Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
 225 230 235 240

Arg

<210> 2055

<211> 241

<212> PRT

<213> Homo sapiens

<400> 2055

Gln Val Gln Leu Val Gln Ser Gly Gly Asp Val Val Gln Pro Gly Arg
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Tyr Ser Ser Tyr
 20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys

2443

85 90 95
 Ala Arg Asp Leu Asp Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr
 100 105 110
 Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125
 Gly Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Ser Pro
 130 135 140
 Gly Gln Ser Val Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly
 145 150 155 160
 Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro
 165 170 175
 Lys Phe Met Ile Tyr Asp Val Ser Lys Arg Pro Ser Gly Val Ser Asn
 180 185 190
 Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser
 195 200 205
 Gly Val Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr
 210 215 220
 Ser Ala Ser Thr Val Ile Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
 225 230 235 240
 Gly

<210> 2056
 <211> 243
 <212> PRT
 <213> Homo sapiens

<400> 2056
 Gln Val Gln Leu Val Gln Ser Gly Gly Asn Leu Val Gln Pro Gly Gly
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30
 Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

2444

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Asp Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Val Asn Asp Ile Val Val Val Asp Met Asp Val Trp Gly Arg
 100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val
 130 135 140

Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser
 145 150 155 160

Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala
 165 170 175

Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro
 180 185 190

Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile
 195 200 205

Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg
 210 215 220

Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr
 225 230 235 240

Val Leu Gly

<210> 2057

<211> 243

<212> PRT

<213> Homo sapiens

<400> 2057

Glu Val Gln Leu Val Gln Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Arg Thr Tyr
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Ala Ile Trp His Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
 50 55 60

Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Pro Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Lys Arg Gly Ser Arg Arg Val Phe Asp Ile Trp Gly Arg
 100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val
 130 135 140

Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser
 145 150 155 160

Leu Arg Ser Tyr Tyr Thr Asn Trp Phe Gln Gln Lys Pro Gly Gln Ala
 165 170 175

Pro Leu Leu Val Val Tyr Ala Lys Asn Lys Arg Pro Ser Gly Ile Pro
 180 185 190

Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile
 195 200 205

Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg
 210 215 220

Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr
 225 230 235 240

Val Leu Gly

<210> 2058

<211> 244

<212> PRT

<213> Homo sapiens

<400> 2058

Glu Val Gln Leu Val Gln Ser Gly Pro Gln Val Lys Lys Pro Gly Ser
1 5 10 15

Pro Val Lys Val Ser Cys Lys Ala Ser Gly Val Thr Phe Ser Ser Thr
20 25 30

Ala Phe Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Val
35 40 45

Gly Gly Ile Ile Pro Ile Phe Gly Lys Ser Ile Tyr Ala Gln Lys Ser
50 55 60

Gln Gly Arg Val Thr Ile Ser Ala Asp Thr Ser Thr Ser Thr Val Tyr
65 70 75 80

Met Glu Val Thr Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Thr Leu Ser Asn Arg Asn Asp Asn Leu Arg Leu Asp Tyr Trp Gly
100 105 110

Gln Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala
130 135 140

Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp
145 150 155 160

Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln
165 170 175

Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile
180 185 190

Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr
 195 200 205

Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser
 210 215 220

Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu
 225 230 235 240

Thr Val Leu Gly

<210> 2059

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2059

Gly Val Gln Leu Val Glu Ser Gly Gly Gly Leu Gly Lys Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Thr Ser Gly Phe Arg Phe Ser Asp Tyr
 20 25 30

Ala Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Ser Ile Thr Gly Ser Gly Gly Gly Thr His Tyr Ala Gly Ser Val
 50 55 60

Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr
 65 70 75 80

Leu Gln Met Asn Asn Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Ser Phe Val Leu Asp Tyr Trp Gly Lys Gly Thr Leu Val Thr Val
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly
 130 135 140

Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly
 145 150 155 160

Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys
 165 170 175

Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg
 180 185 190

Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly
 195 200 205

Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr
 210 215 220

Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 225 230 235 240

<210> 2060

<211> 241

<212> PRT

<213> Homo sapiens

<400> 2060

Gln Val Gln Leu Val Glu Thr Gly Gly Asn Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Pro Thr Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Ala Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Ile Tyr Tyr Cys
 85 90 95

Thr Leu Thr Trp Ala Thr Asn Thr Phe Asp Met Trp Gly Arg Gly Thr
 100 105 110

Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser

115 120 125
 Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val
 130 135 140
 Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg
 145 150 155 160
 Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val
 165 170 175
 Leu Val Ile Tyr Gly Lys Ser Thr Arg Pro Ser Gly Ile Pro Asp Arg
 180 185 190
 Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly
 195 200 205
 Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser
 210 215 220
 Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
 225 230 235 240

Gly

<210> 2061
 <211> 240
 <212> PRT
 <213> Homo sapiens

<400> 2061
 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Thr Ser Gly Phe Arg Phe Ser Asp Tyr
 20 25 30
 Ala Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Ser Ser Ile Thr Gly Ser Gly Gly Gly Thr His Tyr Ala Gly Ser Val
 50 55 60
 Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Val Tyr
 65 70 75 80

2450

Leu Gln Met Asn Asn Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ser Phe Asp Leu Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly
130 135 140

Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly
145 150 155 160

Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys
165 170 175

Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val Ser Asn Arg
180 185 190

Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly
195 200 205

Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr
210 215 220

Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
225 230 235 240

<210> 2062

<211> 246

<212> PRT

<213> Homo sapiens

<400> 2062

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Gly Ser Leu His Asn Tyr
20 25 30

Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Ser Gly Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Val Glu Trp Glu Asp Ile Val Val Gly Ser Ala Phe Asp Ile
 100 105 110

Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser
 115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln
 130 135 140

Ser Pro Ser Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr
 145 150 155 160

Cys Arg Ala Ser Glu Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln
 165 170 175

Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu
 180 185 190

Ala Ser Gly Ala Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp
 195 200 205

Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr
 210 215 220

Tyr Cys Gln Gln Tyr Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr
 225 230 235 240

Lys Leu Glu Ile Lys Arg
 245

<210> 2063

<211> 243

<212> PRT

<213> Homo sapiens

<400> 2063

Gln Val Arg Leu Val Gln Ser Gly Gly Glu Val Lys Lys Pro Gly Ala
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
 20 25 30
 Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe
 50 55 60
 Gln Gly Trp Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
 65 70 75 80
 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Leu Tyr Tyr Cys
 85 90 95
 Ala Arg Gly Gly Asp Met Thr Thr Val Thr Thr Asp Tyr Trp Gly Arg
 100 105 110
 Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125
 Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser
 130 135 140
 Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr Cys Arg Ala
 145 150 155 160
 Ser Glu Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly
 165 170 175
 Lys Ala Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala Ser Gly
 180 185 190
 Ala Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu
 195 200 205
 Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln
 210 215 220
 Gln Tyr Ser Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu
 225 230 235 240

Ile Lys Arg

<210> 2064

<211> 243

<212> PRT

<213> Homo sapiens

<400> 2064

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Ala Gly Glu
 1 5 10 15

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Thr Phe Thr Ser Tyr
 20 25 30

Gly Ile Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Ser Gly Tyr Asn Ala Asn Thr Thr Tyr Ala Gln Asn Leu
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Asp Val Tyr Tyr Cys
 85 90 95

Ala Arg Ala Asp Tyr Ser Asn Asp Tyr Tyr Met Asp Val Trp Gly Lys
 100 105 110

Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser
 130 135 140

Thr Leu Ser Ala Ser Ile Gly Asp Arg Val Thr Ile Thr Cys Arg Ala
 145 150 155 160

Ser Glu Gly Ile Tyr His Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly
 165 170 175

Lys Ala Pro Lys Leu Leu Ile Tyr Lys Ala Ser Ser Leu Ala Ser Gly
 180 185 190

Ala Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu
 195 200 205

Thr Ile Ser Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gln
 210 215 220

Gln Tyr Ser Asp Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Leu Glu
 225 230 235 240

Ile Lys Arg

<210> 2065

<211> 249

<212> PRT

<213> Homo sapiens

<400> 2065

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Glu Ala Ser Gly Phe Thr Phe Ser His Tyr
 20 25 30

Trp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Ala Val
 35 40 45

Ala Ser Ile Lys Arg Asp Gly Ser Gln Gln Tyr Tyr Leu Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Ser
 65 70 75 80

Leu Gln Met Ser Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Gly Val Ala Ala Gly Glu Asp Tyr Trp Gly Arg Gly Thr
 100 105 110

Ile Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
 115 120 125

Gly Gly Gly Gly Ser Ala Ala Ser Ala Gln Ser Val Val Thr Gln Pro
 130 135 140

Pro Ser Ala Ser Gly Ser Pro Gly Gln Ser Val Thr Ile Ser Cys Thr

2455


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<210> 2066
<211> 250
<212> PRT
<213> Homo sapiens
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Ala Arg Gly Pro Ile Tyr Tyr Phe Asp Gly Ser Ala Tyr Glu Gly Tyr
100 105 110

Tyr Phe Asp Tyr Trp Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Ser Glu
 130 135 140

Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg
 145 150 155 160

Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr
 165 170 175

Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr Gly Lys Asn
 180 185 190

Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly
 195 200 205

Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala
 210 215 220

Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His Val Val Phe
 225 230 235 240

Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

<210> 2067

<211> 238

<212> PRT

<213> Homo sapiens

<400> 2067

Glu Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Pro Phe Ser Ala Tyr
 20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Thr Leu Tyr Ala Asp Gly Pro Ile Tyr Tyr Ala Asp Ser Val Lys
 50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Leu Tyr Leu
65 70 75 80

Gln Met Asn Arg Leu Arg Val Glu Asp Thr Ala Val Tyr Tyr Cys Ala
85 90 95

Ser Met Asn Ala Asp Ala Phe Glu Ile Trp Gly Gln Gly Thr Met Val
100 105 110

Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu
130 135 140

Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr
145 150 155 160

Tyr Thr Asn Trp Phe Gln Gln Lys Pro Gly Gln Ala Pro Leu Leu Val
165 170 175

Val Tyr Ala Lys Asn Lys Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser
180 185 190

Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln
195 200 205

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Ser Ser Arg
210 215 220

Gly Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
225 230 235

<210> 2068

<211> 246

<212> PRT

<213> Homo sapiens

<400> 2068

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Glu Pro Gly Ala
1 5 10 15

Ser Val Lys Ile Ser Cys Glu Ala Ser Gly Tyr Thr Phe Thr Asn Asn
20 25 30

Phe Ile Asp Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Thr Ile Ser Gly Ser Thr Gly Asn Thr Tyr Tyr Lys Gln Gly Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ala Thr Ser Thr Ala Tyr
 65 70 75 80

Leu Glu Val Arg Gly Leu Thr Ser Glu Asp Thr Ala Ile Tyr Phe Cys
 85 90 95

Ala Arg Pro Ala Ala Ser Ser Arg Gly Pro Lys Asp Ala Phe Asp Ile
 100 105 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
 115 120 125

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp
 130 135 140

Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln
 145 150 155 160

Gly Asp Ser Leu Arg Ser Tyr Tyr Thr Asn Trp Phe Gln Gln Lys Pro
 165 170 175

Gly Gln Ala Pro Leu Leu Val Val Tyr Ala Lys Asn Lys Arg Pro Ser
 180 185 190

Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser
 195 200 205

Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
 210 215 220

Asn Ser Arg Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr
 225 230 235 240

Lys Leu Thr Val Leu Gly
 245

<210> 2069

<211> 244

<212> PRT

<213> Homo sapiens

<400> 2069

Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
 20 25 30
 Ala Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Gly Ile Ile Pro Ile Phe Gly Thr Thr Lys His Ala Gln Lys Phe
 50 55 60
 Gln Gly Arg Val Ser Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr
 65 70 75 80
 Met Val Leu Ser Ser Leu Ser Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Asp Ser Arg Pro Thr Asn Arg Ala Phe His Tyr Trp Gly Gln
 100 105 110
 Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125
 Gly Ser Gly Gly Gly Gly Ser Ala Gln Pro Val Leu Thr Gln Pro Pro
 130 135 140
 Ser Val Ser Val Ser Pro Gly Gln Thr Ala Ser Ile Thr Cys Ser Gly
 145 150 155 160
 Asp Lys Leu Gly Asp Val Tyr Thr Ser Trp Tyr Gln Gln Lys Ser Gly
 165 170 175
 Gln Ser Pro Val Leu Val Ile Tyr Gln Asp Ser Lys Arg Pro Ser Gly
 180 185 190
 Ile Pro Gly Arg Phe Ser Gly Ser Asn Ser Gly Asn Thr Ala Thr Leu
 195 200 205
 Thr Ile Thr Gly Thr Gln Ala Met Asp Glu Ala Asp Tyr Phe Cys Gln
 210 215 220

Ala Trp Asp Thr Arg Asn Ala Trp Ile Phe Gly Gly Gly Thr Lys Val
 225 230 235 240

Thr Val Leu Gly

<210> 2070

<211> 248

<212> PRT

<213> Homo sapiens

<400> 2070

Glu Val Gln Leu Val Glu Thr Gly Gly Gly Leu Val Lys Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
 20 25 30

Trp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Gly Arg Ile Lys Thr Lys Thr Asp Gly Gly Thr Thr Asp Tyr Ala Ala
 50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
 65 70 75 80

Val Tyr Leu Gln Met Asn Ser Leu Gln Ser Glu Asp Thr Gly Val Tyr
 85 90 95

Tyr Cys Thr Thr Leu His Cys Thr Gly Gly Ser Cys Gly Phe Trp Gly
 100 105 110

Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Val Thr Gln Pro
 130 135 140

Pro Ser Ala Ser Ala Thr Pro Gly Gln Arg Val Thr Ile Ser Cys Ser
 145 150 155 160

Gly Thr Thr Ser Asn Ile Gly Ile Asn Thr Val Asn Trp Tyr Gln Gln
 165 170 175

Leu Pro Gly Thr Ala Pro Arg Leu Leu Ile Tyr Gly Asp Ser Gln Arg

2461

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180                               185                               190
Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser
    195                               200                               205

Ala Ser Leu Ala Ile Ser Glu Leu Gln Ser Glu Asp Glu Ala Asp Tyr
    210                               215                               220

Phe Cys Ala Val Trp Asp Asp Ser Leu Asn Gly Val Ile Phe Gly Gly
    225                               230                               235                               240

Gly Thr Lys Val Thr Val Leu Gly
    245

<210> 2071
<211> 248
<212> PRT
<213> Homo sapiens

<400> 2071
Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
    1           5           10           15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ile Ile Thr Gly Asn
    20           25           30

Tyr Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Met
    35           40           45

Gly Trp Ile Asn Pro Asn Ser Gly Ala Thr Lys Tyr Ala Gln Asn Phe
    50           55           60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
    65           70           75           80

Met Glu Leu Ser Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
    85           90           95

Ala Arg Val Arg Asp Asp Ser Ala Gly Phe Asp Tyr Trp Gly Lys Gly
    100          105          110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
    115          120          125

Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro Ser
    130          135          140

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2462

Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Ser
145 150 155 160

Ser Ser Asn Ile Gly Ala Gly Tyr Ala Val His Trp Tyr Gln Gln Leu
165 170 175

Pro Gly Thr Ala Pro Arg Leu Leu Ile Tyr Gly Asn Thr Asn Arg Pro
180 185 190

Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Ala Thr Ser Gly
195 200 205

Ser Leu Ala Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Glu Tyr Phe
210 215 220

Cys Gln Ser Tyr Asp Thr Ser Leu Ser Gly Ala Phe Val Phe Gly Thr
225 230 235 240

Gly Thr Lys Val Thr Val Leu Gly
245

<210> 2072

<211> 247

<212> PRT

<213> Homo sapiens

<400> 2072

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Thr
1 5 10 15

Ser Val Lys Val Ser Cys Gln Ala Ser Gly Gly Ser Leu Ser Arg Tyr
20 25 30

Ala Phe Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Pro Glu Trp Leu
35 40 45

Gly Gly Ile Ile Pro Thr Phe Gly Thr Ala His Tyr Ala Gln Lys Phe
50 55 60

Gln Asp Arg Val Thr Ile Ser Ala Asp Glu Ser Thr Ser Thr Val Tyr
65 70 75 80

Met Glu Leu Ser Arg Leu Thr Ser Asp Asp Thr Ala Ile Tyr Phe Cys
85 90 95

2463

Ala Arg Val Leu Val Arg Gly Gln Tyr Arg Gly Met Asp Leu Cys Cys
 100 105 110

Lys Gly Thr Met Val Val Val Thr Ser Gly Gly Gly Gly Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Tyr Ser Glu Leu Thr Gln
 130 135 140

Asp Pro Thr Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys
 145 150 155 160

His Gly Asp Ser Leu Lys Asn Tyr His Ala Ser Trp Tyr Gln Gln Lys
 165 170 175

Ser Gly Gln Ala Pro Val Leu Val Ile Tyr Ser Asn Asn Lys Arg Pro
 180 185 190

Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala
 195 200 205

Ser Leu Thr Ile Ser Gly Ala Gln Ser Glu Asp Glu Ala Asp Tyr Tyr
 210 215 220

Cys Ser Ala Arg Asp Ser Ser Gly Ser His Val Ile Phe Gly Ala Gly
 225 230 235 240

Thr Lys Val Thr Val Leu Gly
 245

<210> 2073
 <211> 250
 <212> PRT
 <213> Homo sapiens

<400> 2073
 Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
 20 25 30

Ala Leu Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Ile Phe Ile Pro Ile Phe Gly Thr Glu Tyr Tyr Ala Glu Arg Phe
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Asn Thr Ala Tyr
 65 70 75 80

Leu Asp Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Val Asp Tyr Thr Asp Tyr Glu Met Gly Ala Phe Asp Leu Trp
 100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln
 130 135 140

Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys
 145 150 155 160

Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr
 165 170 175

Gln Gln Leu Pro Gly Lys Gly Pro Lys Val Leu Met Tyr Asp Asn Asn
 180 185 190

Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly
 195 200 205

Ala Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala
 210 215 220

Asp Tyr Tyr Cys Gln Ser Tyr Asp Ser Ser Leu Asp Gly Tyr Val Phe
 225 230 235 240

Gly Thr Gly Thr Lys Val Thr Val Leu Gly
 245 250

<210> 2074

<211> 250

<212> PRT

<213> Homo sapiens

<400> 2074

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala

1	5	10	15
Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Ser Thr Ile Tyr	20	25	30
His Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met	35	40	45
Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe	50	55	60
Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr	65	70	75
Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys	85	90	95
Ala Arg Asp Arg Ile Ala Ala Ala Gly Gly Asp Ala Phe Asp Ile Trp	100	105	110
Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly	115	120	125
Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln	130	135	140
Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys	145	150	155
Thr Gly Ser Ser Ser Asn Ile Gly Asp Gly Tyr Asp Val His Trp Tyr	165	170	175
Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Thr	180	185	190
Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Asp	195	200	205
Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Val Glu Asp Glu Ala	210	215	220
Asp Tyr Phe Cys His Ser Tyr Asp Ser Ser Met Ser Gly Trp Ile Phe	225	230	235
			240

Gly Gly Gly Thr Lys Val Thr Val Leu Gly
245 250

<210> 2075

<211> 246

<212> PRT

<213> Homo sapiens

<400> 2075

Glu Val Gln Leu Val Glu Thr Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Tyr Tyr
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Thr Thr Ser Tyr Ser Gly Glu Asn Thr Phe Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Ile Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Ser Arg Leu Thr Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Lys Asp Leu Tyr Lys Asn Gly Tyr Ala Leu Phe Asp Ser Trp Gly
100 105 110

Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Asp Val Val Met Thr Gln
130 135 140

Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Gly Val Thr Ile Thr
145 150 155 160

Cys Arg Ala Ser Gln Ser Ile Ser Asn His Leu Ser Trp Tyr Gln Gln
165 170 175

Lys Pro Gly Lys Ala Pro Asn Val Leu Ile Tyr Ala Ala Ser Ser Leu
180 185 190

Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp

2467

195 200 205
 Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Ser Ala Ile Tyr
 210 215 220
 Tyr Cys Gln Gln Ser Tyr Asp Thr Pro Pro Thr Phe Gly Gln Gly Thr
 225 230 235 240
 Arg Leu Glu Ile Lys Arg
 245
 <210> 2076
 <211> 247
 <212> PRT
 <213> Homo sapiens
 <400> 2076
 Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15
 Ser Val Lys Val Ser Cys Arg Ala Ser Gly Tyr Thr Phe Ala Ser Tyr
 20 25 30
 Phe Leu His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Ile Ile Asn Pro Asn Gly Gly Ile Thr Arg Tyr Ala Gln Lys Phe
 50 55 60
 Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
 65 70 75 80
 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Asp Glu Tyr Ser Ser Leu Tyr Met Asp Val Trp Gly Arg Gly
 100 105 110
 Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125
 Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro Ser Ser
 130 135 140
 Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Ala Gly Ser
 145 150 155 160

2468

Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val Gln Trp Tyr Gln Gln Leu
 165 170 175

Pro Gly Thr Ala Pro Lys Leu Leu Ile His Asn Asn Asn Asn Arg Pro
 180 185 190

Ser Gly Val Pro Asp Arg Phe Ser Gly Ala Lys Ser Gly Ser Ser Ala
 195 200 205

Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr
 210 215 220

Cys Gln Ser Phe Asp Ser Ser Leu Ser Arg Trp Val Phe Gly Gly Gly
 225 230 235 240

Thr Lys Leu Thr Val Leu Gly
 245

<210> 2077

<211> 246

<212> PRT

<213> Homo sapiens

<400> 2077

Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1- 5 10 15

Ser Leu Arg Ile Ser Cys Thr Ala Ser Gly Phe Thr Phe Lys Asp Tyr
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Leu Ile Tyr Tyr Asp Gly Ser Lys Glu Tyr Tyr Ala Asp Ser Val
 50 55 60

Gln Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Arg Asn Ala Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Val Ser Phe Gly Ala Gly Arg Leu Tyr Asp Asp Tyr Trp Gly Arg Gly
 100 105 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Gly Gly Gly Gly Ser Ala Gln Ser Ala Leu Thr Gln Pro Ala Ser
130 135 140

Val Ser Gly Ser Pro Gly Gln Ser Ile Thr Leu Ser Cys Thr Gly Thr
145 150 155 160

Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His
165 170 175

Pro Gly Lys Ala Pro Glu Leu Leu Ile Tyr Asp Val Thr Asn Arg Pro
180 185 190

Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala
195 200 205

Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr
210 215 220

Cys Asn Ser Tyr Thr Gly Ser Asn Thr Trp Val Phe Gly Gly Gly Thr
225 230 235 240

Lys Leu Thr Val Leu Gly
245

<210> 2078

<211> 249

<212> PRT

<213> Homo sapiens

<400> 2078

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Arg Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr
20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Ser Asn Asn Asn Gly Lys Thr Tyr Tyr Ala Gln Lys Val
50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Asp Tyr
65 70 75 80

Met Glu Leu Arg Gly Leu Arg Ser Asp Asp Thr Ala Ile Tyr Tyr Cys
85 90 95

Ala Arg Asp Asn Gly Gly Gly Thr Ile Gly Phe Asp Tyr Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln Pro Pro
130 135 140

Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly
145 150 155 160

Ser Ser Ser Asn Ile Gly Ala Asp Tyr Asp Val His Trp Tyr Gln Leu
165 170 175

Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Thr Asn Arg
180 185 190

Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser
195 200 205

Ala Ser Leu Thr Ile Ala Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr
210 215 220

Tyr Cys Gln Ser Tyr Asp Ser Ser Leu Ser Gly Ser Val Val Phe Gly
225 230 235 240

Gly Gly Thr Lys Leu Thr Val Leu Gly
245

<210> 2079

<211> 246

<212> PRT

<213> Homo sapiens

<400> 2079

Glu Val Gln Leu Val Gln Ser Gly Ala Gly Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Gln Ala Ser Gly Tyr Thr Phe Thr Gly Phe

20 25 30
 Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Trp Ile Asn Pro Asn Ser Gly Ala Thr Lys Tyr Ser Gln Lys Phe
 50 55 60
 Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Asn Thr Ala Tyr
 65 70 75 80
 Met Glu Leu Thr Arg Leu Asn Ser Asp Asp Thr Ala Phe Tyr Phe Cys
 85 90 95
 Ala Arg Asp Gln Gly Ile Glu Thr Ala Asn Asp Tyr Trp Gly Arg Gly
 100 105 110
 Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125
 Ser Gly Gly Gly Gly Ser Ala Gln Ser Ala Leu Thr Gln Pro Arg Ser
 130 135 140
 Val Ser Gly Ser Pro Gly Gln Ser Val Ala Ile Ser Cys Thr Gly Thr
 145 150 155 160
 Ser Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His
 165 170 175
 Pro Gly Lys Ala Pro Lys Leu Met Ile Tyr Gly Val Ser Asn Arg Pro
 180 185 190
 Ser Gly Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala
 195 200 205
 Ser Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr
 210 215 220
 Cys Asn Ser Trp Thr Ser Ser Ser Thr Phe Val Phe Gly Thr Gly Thr
 225 230 235 240
 Lys Leu Thr Val Leu Gly
 245

<210> 2080

<211> 256

<212> PRT

<213> Homo sapiens

<400> 2080

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Pro Phe Thr His Tyr
 20 25 30

Gly Val Asn Trp Val Arg Gln Ala Pro Gly Arg Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Ser Ala Tyr Asn Gly Lys Thr His Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Thr Thr Val Tyr
 65 70 75 80

Met Asp Val Arg Gly Leu Thr Thr Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Ile Leu Pro Asp Tyr Asp Phe Trp Asn Pro Asn Glu Asp
 100 105 110

Ala Ser Ser Leu Asp Thr Trp Gly Lys Gly Thr Leu Val Thr Val Ser
 115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
 130 135 140

Ala Gln Ser Ala Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly
 145 150 155 160

Gln Ser Ile Thr Ile Ser Cys Ser Gly Thr Ser Ser Asp Val Gly Thr
 165 170 175

Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys
 180 185 190

Leu Met Ile Tyr Asp Val Asn Asn Arg Pro Ser Gly Val Ser His Arg
 195 200 205

Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly

210 215 220
 Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Tyr Thr Thr
 225 230 235 240

 Ile Ser Thr Tyr Val Phe Gly Thr Gly Thr Lys Leu Thr Val Leu Gly
 245 250 255

 <210> 2081
 <211> 262
 <212> PRT
 <213> Homo sapiens

 <400> 2081
 Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
 1 5 10 15

 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Ile Tyr Asn Ile Tyr
 20 25 30

 Ser Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

 Ser Ser Ile Ser Ser Ser Ser Ser Tyr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

 Ala Arg Asp Phe Gln Met Val Arg Gly Val Phe Ile Ala Asn Pro Pro
 100 105 110

 Ile Tyr Asn Tyr Tyr Gly Met Asp Val Trp Gly Lys Gly Thr Thr Val
 115 120 125

 Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly
 130 135 140

 Gly Gly Ser Ala Leu Glu Ile Val Met Thr Gln Ser Pro Leu Ser Leu
 145 150 155 160

 Pro Val Thr Pro Gly Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln
 165 170 175

Ser Leu Leu His Ser Asn Gly Tyr Asn Tyr Leu Asp Trp Tyr Leu Gln
 180 185 190

Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Leu Gly Ser Asn Arg
 195 200 205

Ala Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp
 210 215 220

Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr
 225 230 235 240

Tyr Cys Met Gln Ala Leu Gln Thr Pro Leu Thr Phe Gly Gly Gly Thr
 245 250 255

Lys Val Glu Ile Lys Arg
 260

<210> 2082

<211> 254

<212> PRT

<213> Homo sapiens

<400> 2082

Gln Val Gln Leu Val Gln Ser Gly Ala Asp Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Arg Val Ser Cys Lys Ala Ser Gly Tyr Thr Tyr Thr Ser His
 20 25 30

Tyr Ile His Trp Val Arg Gln Ala Pro Gly Arg Gly Leu Glu Trp Met
 35 40 45

Gly Val Ile Asn Pro Ser Gly Gly Ala Thr Asn Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ser Thr Thr Val Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Arg Phe Glu Asp Thr Ala Ile Tyr Tyr Cys
 85 90 95

Val Arg Asp Ala Asp Glu Gly Leu Val Glu Ala Glu Thr Thr Asn Trp
 100 105 110

Phe Asp Ser Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser
 130 135 140

Val Leu Thr Gln Pro Pro Ser Val Ser Gly Ala Pro Gly Gln Arg Val
 145 150 155 160

Thr Ile Ser Cys Thr Gly Gly Ser Ser Asn Ile Gly Ala Ser Tyr Asp
 165 170 175

Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile
 180 185 190

Ser Gly Asn Thr Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly
 195 200 205

Ser Asn Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala
 210 215 220

Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Asn Ser Leu Ser
 225 230 235 240

Gly Trp Val Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly
 245 250

<210> 2083

<211> 258

<212> PRT

<213> Homo sapiens

<400> 2083

Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
 1 5 10 15

Thr Leu Ser Leu Thr Cys Asp Ile Ser Gly Asp Ser Val Ser Ser Asn
 20 25 30

Ser Ala Ala Trp Asn Trp Ile Arg Gln Ser Pro Ser Arg Gly Leu Glu
 35 40 45

Trp Leu Gly Arg Thr Tyr Tyr Arg Ser Lys Trp Tyr Thr Asp Tyr Ala
 50 55 60

Glu Ser Val Lys Ser Arg Leu Ala Ile Asn Pro Asp Thr Ser Lys Asn
65 70 75 80

Gln Phe Ser Leu Gln Leu Ser Ser Val Thr Pro Glu Asp Thr Ala Val
85 90 95

Tyr Tyr Cys Ala Arg Ala Thr Lys Ser Tyr Asp Ile Leu Thr Arg Met
100 105 110

Tyr Tyr Tyr His Met Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val
115 120 125

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
130 135 140

Ser Ala Gln Ala Val Leu Thr Gln Pro Ser Ser Ala Ser Gly Thr Pro
145 150 155 160

Gly Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly
165 170 175

Ser Asn Thr Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys
180 185 190

Leu Leu Ile Tyr Gly Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg
195 200 205

Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly
210 215 220

Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp
225 230 235 240

Ser Leu Ser Val Pro Trp Val Phe Gly Thr Gly Thr Lys Leu Thr Val
245 250 255

Leu Gly

<210> 2084

<211> 242

<212> PRT

<213> Homo sapiens

<400> 2084

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala

1	5	10	15
Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Gly Ser Tyr	20	25	30
Trp Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met	35	40	45
Gly Thr Ile Asn Pro Ser Ser Gly Ser Thr Ser Tyr Thr Gln Lys Phe	50	55	60
Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr	65	70	75
Met Glu Leu Ser Arg Leu Lys Ser Glu Asp Thr Ala Val Tyr Tyr Cys	85	90	95
Ala Arg Asp Arg Thr Arg Met Asp Val Trp Gly Gln Gly Thr Leu Val	100	105	110
Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly	115	120	125
Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser	130	135	140
Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu	145	150	155
Arg Thr Tyr Tyr Ala Asn Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro	165	170	175
Val Val Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp	180	185	190
Arg Phe Ser Gly Ser Ser Ser Gly Tyr Thr Ala Ser Leu Thr Ile Thr	195	200	205
Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Gly Asp	210	215	220
Arg Ser Gly Asn His Tyr Val Phe Gly Thr Gly Thr Lys Leu Thr Val	225	230	235
			240

Leu Gly

<210> 2085

<211> 249

<212> PRT

<213> Homo sapiens

<400> 2085

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Leu Lys Gln Pro Gly Thr
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Ser Ser Tyr
 20 25 30

Gly Val Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Val Ser Gly Asn Arg Gly Asn Thr Gln Tyr Ala Gln Lys Phe
 50 55 60

Gln Asp Arg Val Arg Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Pro Asp Asp Thr Val Val Tyr Phe Cys
 85 90 95

Ala Arg Val Gly Ile Lys Ala Ala Ala Val Asp Asn Phe Glu Tyr Trp
 100 105 110

Gly Arg Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln
 130 135 140

Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Thr Cys
 145 150 155 160

Ser Gly Ser Ser Ser Asn Ile Gly Asp Tyr Tyr Val Asn Trp Tyr Gln
 165 170 175

Gln Val Ser Gly Thr Thr Pro Lys Leu Ile Ile Tyr Arg Asp Asp Gln
 180 185 190

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Ala

2479

195 200 205
 Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu Asp Glu Ala Asn
 210 215 220
 Tyr Phe Cys Ala Ala Trp Asp Asp Ser Leu Arg Glu Phe Ala Phe Gly
 225 230 235 240
 Thr Gly Thr Lys Val Thr Val Leu Gly
 245

<210> 2086
 <211> 248
 <212> PRT
 <213> Homo sapiens

<400> 2086
 Glu Val Gln Leu Val Gln Ser Gly Pro Glu Val Lys Thr Pro Gly Ala
 1 5 10 15

Ser Val Arg Val Ser Cys Lys Pro Ser Gly Tyr Thr Val Ala Asn His
 20 25 30

Gly Ile Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Val Ser Leu Tyr Asn Gly Asn Ala Lys Ser Ala Gln Lys Phe
 50 55 60

Gln Asp Arg Val Thr Met Thr Ala Asp Thr Ser Thr Ala Thr Ala Tyr
 65 70 75 80

Leu Asp Leu Lys Ser Leu Arg Tyr Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Val Arg Asp Glu Ile Tyr Asn Asp Ala Phe Asp Tyr Trp Gly Lys Gly
 100 105 110

Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Val Thr Gln Pro Pro Ser
 130 135 140

Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Ser
 145 150 155 160

2480

Ser Ser Asn Ile Gly Ala Gly Phe Asp Val Gln Trp Tyr Gln His Leu
 165 170 175

Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asp Asn Asn Arg Pro
 180 185 190

Ser Gly Val Pro Asp Arg Phe Ser Ala Ser Lys Ser Gly Thr Ser Ala
 195 200 205

Ser Leu Ala Ile Thr Gly Leu His Val Asp Asp Glu Ala Asp Tyr Tyr
 210 215 220

Cys Gln Ser Tyr Asp Ser Gly Leu Gly Gly Ser Tyr Val Phe Gly Thr
 225 230 235 240

Gly Thr Lys Val Thr Val Leu Gly
 245

<210> 2087

<211> 255

<212> PRT

<213> Homo sapiens

<400> 2087

Glu Val Gln Leu Val Gln Ser Gly Pro Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Arg Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Ile Ile Asn Pro Ser Ala Gly Tyr Thr Ser Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Ile Met Thr Arg Asp Thr Ser Thr Ser Thr Leu Tyr
 65 70 75 80

Met Asp Leu Asn Ser Leu Arg Ser Glu Asp Thr Ala Met Tyr Tyr Cys
 85 90 95

Ala Arg Asp Gly Asp Ile Ser Asp Ser Pro Ile Asn Asn Gln Asn Tyr
 100 105 110

Ala Met Asp Ile Trp Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln
 130 135 140

Ser Val Leu Thr Gln Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Arg
 145 150 155 160

Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly Tyr
 165 170 175

Asn Val His Trp Tyr His Gln Leu Pro Gly Thr Ala Pro Gln Leu Leu
 180 185 190

Ile Tyr Gly Asn Ile Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
 195 200 205

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Thr Ile Thr Gly Leu Gln
 210 215 220

Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Thr Ser Leu
 225 230 235 240

Ser Gly Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250 255

<210> 2088

<211> 248

<212> PRT

<213> Homo sapiens

<400> 2088

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu
 1 5 10 15

Ser Leu Arg Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Ser Tyr
 20 25 30

Trp Ile Ser Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met
 35 40 45

Gly Arg Ile Asp Pro Ser Asp Ser Tyr Thr Asn Tyr Ser Pro Ser Phe
 50 55 60

Gln Gly His Val Thr Ile Ser Ala Asp Arg Ser Ile Ser Thr Ala Tyr
 65 70 75 80
 Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Ile Tyr Tyr Cys
 85 90 95
 Ala Arg Arg Gly Gly Thr Ser Glu Asn Tyr Ser Gly Met Asp Val Trp
 100 105 110
 Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
 115 120 125
 Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr
 130 135 140
 Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr
 145 150 155 160
 Cys Gln Gly Asp Ser Leu Arg Thr Tyr Tyr Ala Asn Trp Tyr Gln Gln
 165 170 175
 Lys Pro Gly Gln Ala Pro Val Val Val Ile Tyr Gly Lys Asn Asn Arg
 180 185 190
 Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Tyr Thr
 195 200 205
 Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr
 210 215 220
 Tyr Cys Asn Ser Gly Asp Arg Ser Gly Asn His Tyr Val Phe Gly Thr
 225 230 235 240
 Gly Thr Lys Leu Thr Val Leu Gly
 245

<210> 2089

<211> 245

<212> PRT

<213> Homo sapiens

<400> 2089

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Ala Lys Lys Pro Gly Ala
 1 5 10 15

Ser Leu Gln Ile Ser Cys Lys Ala Ser Gly Tyr Asn Phe Ile Ser Tyr

2483

20 25 30
 Tyr Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Val Ile Tyr Pro Asn Gly Gly Ala Thr Phe Tyr Ala Gln Lys Phe
 50 55 60
 Gln Ser Arg Val Ala Met Ser Arg Asp Thr Ser Thr His Thr Val Tyr
 65 70 75 80
 Met Asp Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Val Arg Asp Tyr Pro His Asn Ala Phe Asp Ile Trp Gly Arg Gly Thr
 100 105 110
 Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
 115 120 125
 Gly Gly Gly Gly Ser Ala Gln Ser Ala Leu Thr Gln Pro Ala Ser Val
 130 135 140
 Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser
 145 150 155 160
 Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln His His Pro
 165 170 175
 Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu Val Asn Asn Arg Pro Ser
 180 185 190
 Gly Ile Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser
 195 200 205
 Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
 210 215 220
 Ser Ser Tyr Thr Ser Ser Thr Thr Leu Val Phe Gly Gly Gly Thr Lys
 225 230 235 240
 Val Thr Val Leu Gly
 245

<210> 2090
 <211> 258
 <212> PRT
 <213> Homo sapiens

<400> 2090

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Leu Ser Cys Lys Ala Ser Ala Tyr Thr Phe Tyr Ser Tyr
 20 25 30

Tyr Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Thr Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
 65 70 75 80

Met Gln Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Val Arg Ser Asp Arg Phe Trp Ser Gly Gly Tyr Phe His
 100 105 110

Tyr Ser Gly Met Asp Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser
 115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
 130 135 140

Ala Gln Ser Ala Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly
 145 150 155 160

Gln Ser Val Thr Ile Ser Cys Ala Gly Thr Ser Ser Asp Ile Gly Gly
 165 170 175

His Asp Phe Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys
 180 185 190

Leu Met Ile Tyr Asp Val Ser Lys Arg Pro Ser Gly Ile Ser His Arg
 195 200 205

Phe Ala Ala Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly

2485

210 215 220
 Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Tyr Thr Thr
 225 230 235 240
 Ile Ser Ser Thr Phe Arg Val Phe Gly Gly Gly Thr Lys Val Thr Val
 245 250 255
 Leu Gly
 <210> 2091
 <211> 248
 <212> PRT
 <213> Homo sapiens
 <400> 2091
 Glu Val Gln Leu Val Gln Ala Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15
 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr
 20 25 30
 Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Ile Ile Asn Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe
 50 55 60
 Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
 65 70 75 80
 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Phe Cys
 85 90 95
 Ala Arg Ser Thr Leu Glu Val Gly Ala Thr Asp Phe Asp Tyr Trp Gly
 100 105 110
 Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
 115 120 125
 Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Pro Val Leu Thr Gln Pro
 130 135 140
 Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Ser Cys Ser
 145 150 155 160

Gly Ser Thr Ser Asn Ile Gly Ile Asn Tyr Val Tyr Trp Tyr Gln Gln
 165 170 175

Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Arg Asn Asn Gln Arg
 180 185 190

Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser
 195 200 205

Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu Asp Glu Ala Glu Tyr
 210 215 220

Tyr Cys Ala Ala Trp Asp Asp Ser Leu Ser Gly Tyr Val Phe Gly Ile
 225 230 235 240

Gly Thr Lys Val Thr Val Leu Gly
 245

<210> 2092

<211> 247

<212> PRT

<213> Homo. sapiens

<400> 2092

Glu Val Gln Leu Val Glu Thr Gly Gly Gly Leu Val Gln Ser Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Glu Ala Ser Gly Phe Ser Phe Ser Asn Tyr
 20 25 30

Trp Met Gly Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Asn Ile Lys Lys Asp Gly Thr Asp Thr Arg Tyr Val Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Val Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Tyr Ser Leu Arg Val Glu Asp Thr Ala Asn Tyr Tyr Cys
 85 90 95

Ala Arg Ser Asp Asp Trp Gly Ala Tyr His Ile Trp Gly Arg Gly Thr
 100 105 110

Met Val Thr Val Ser Ser Gly Gly Gly Ser Gly Gly Gly Ser
115 120 125

Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro Ser Ser Val
130 135 140

Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly Ser Ser
145 150 155 160

Ser Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln Gln Leu Pro
165 170 175

Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Ser Asn Arg Pro Ser
180 185 190

Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser
195 200 205

Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
210 215 220

Gln Ser Tyr Asp Ser Ser Leu Ser Gly Ser Val Val Phe Gly Gly Gly
225 230 235 240

Thr Lys Val Thr Val Leu Gly
245

<210> 2093

<211> 250

<212> PRT

<213> Homo sapiens

<400> 2093

Gln Val Gln Leu Val Gln Ser Gly Thr Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Met Lys Val Ser Cys Lys Ser Ser Gly Tyr Thr Phe Thr Asn Tyr
20 25 30

Tyr Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Ile Ile Asp Pro Thr Ser Gly Arg Thr Val Tyr Ala Gln Arg Phe
50 55 60

Lys Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
65 70 75 80

Met Glu Leu Thr Ser Leu Lys Ser Gly Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Glu Arg Gly Gly Arg Asp Gly Asp Tyr Ala Leu Asp Phe Trp
100 105 110

Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln
130 135 140

Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys
145 150 155 160

Thr Gly Ser Ser Ser Asn Ile Gly Asp Gly Tyr Asp Val His Trp Tyr
165 170 175

Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Ser
180 185 190

His Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Asp
195 200 205

Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Val Glu Asp Glu Ala
210 215 220

Asp Tyr Phe Cys His Ser Tyr Asp Ser Ser Val Ser Gly Trp Ile Phe
225 230 235 240

Gly Gly Gly Thr Lys Val Thr Val Leu Gly
245 250

<210> 2094

<211> 248

<212> PRT

<213> Homo sapiens

<400> 2094

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asn Tyr

20 25 30
 Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45
 Gly Ile Ile Asn Pro Asn Gly Gly Arg Val Ser Tyr Ala Gln Lys Phe
 50 55 60
 Gln Asp Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
 65 70 75 80
 Met Asp Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Glu Leu Val Gly Ala Pro Gly Gly Phe Asp Pro Trp Gly Arg
 100 105 110
 Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125
 Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro Ser
 130 135 140
 Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys Thr Gly
 145 150 155 160
 Ser Ser Ser Asn Ile Gly Thr Gly Tyr Asp Val His Trp Tyr Gln His
 165 170 175
 Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asp Thr Asn Arg
 180 185 190
 Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Asp Thr Ser
 195 200 205
 Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Glu Tyr
 210 215 220
 Tyr Cys Gln Ser Tyr Asp Ser Ser Arg Arg Gly Tyr Val Phe Gly Thr
 225 230 235 240
 Gly Thr Lys Val Thr Val Leu Gly
 245

<210> 2095

<211> 250

<212> PRT

<213> Homo sapiens

<400> 2095

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
 20 25 30

Ala Leu Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Ile Phe Ile Pro Ile Phe Gly Thr Glu Tyr Tyr Ala Glu Arg Phe
 50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Asn Thr Ala Tyr
 65 70 75 80

Leu Asp Leu Ser Ser Leu Arg Ser Glu Asp Thr Val Val Tyr Tyr Cys
 85 90 95

Ala Arg Val Asp Tyr Thr Asp Tyr Glu Met Gly Ala Phe Asp Leu Trp
 100 105 110

Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln
 130 135 140

Pro Ser Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys
 145 150 155 160

Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr
 165 170 175

Gln Gln Leu Pro Gly Lys Gly Pro Lys Val Leu Met Tyr Asp Asn Asn
 180 185 190

Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly
 195 200 205

Ala Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala

210 215 220
 Asp Tyr Tyr Cys Gln Ser Tyr Asp Ser Ser Leu Asp Gly Tyr Val Phe
 225 230 235 240

 Gly Thr Gly Thr Lys Val Thr Val Leu Gly
 245 250

 <210> 2096
 <211> 249
 <212> PRT
 <213> Homo sapiens

 <400> 2096
 Gln Leu Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

 Ser Leu Arg Leu Ser Cys Ala Ala Ser Glu Phe Ile Phe Ser Asp His
 20 25 30

 Tyr Val Asp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

 Ala Arg Ser Arg Asp Lys Ala Gly Arg Tyr Thr Thr Glu Tyr Ala Ala
 50 55 60

 Ser Val Lys Gly Arg Phe Ile Val Ser Arg Asp Asp Ala Arg Asp Ser
 65 70 75 80

 Val Tyr Leu Gln Met Asn Ser Leu Lys Val Glu Asp Thr Ala Val Tyr
 85 90 95

 Tyr Cys Ala Arg Ser Val Ala Gly Arg Gly Asn Phe Asp Tyr Trp Gly
 100 105 110

 Gln Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
 115 120 125

 Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr Gln
 130 135 140

 Asp Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Ser Cys
 145 150 155 160

 Ser Gly Ser Gly Ser Asn Ile Gly Ser Asn Tyr Val Tyr Trp Tyr Gln
 165 170 175

Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Arg Ser Thr Gln
 180 185 190

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Ala Ser Lys Ser Gly Thr
 195 200 205

Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Asp Asp Glu Ala Asp
 210 215 220

Tyr Tyr Cys Ala Thr Trp Asp Asp Ser Leu Ser Gly Tyr Val Phe Gly
 225 230 235 240

Pro Gly Thr Lys Val Thr Val Leu Gly
 245

<210> 2097

<211> 250

<212> PRT

<213> Homo sapiens

<400> 2097

Glu Val Gln Leu Val Gln Ser Gly Thr Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Leu Lys Val Ser Cys Lys Ser Ser Gly Tyr Thr Phe Thr Asn Tyr
 20 25 30

Tyr Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Ile Ile Asp Pro Thr Ser Gly Arg Thr Val Tyr Ala Gln Arg Phe
 50 55 60

Lys Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
 65 70 75 80

Met Glu Leu Thr Ser Leu Lys Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Arg Gly Gly Arg Asp Gly Asp Tyr Ala Leu Asp Phe Trp
 100 105 110

Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Val Thr Gln
130 135 140

Pro Pro Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile Ser Cys
145 150 155 160

Thr Gly Ser Ser Ser Asn Ile Gly Asp Gly Tyr Asp Val His Trp Tyr
165 170 175

Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Gly Asn Ser
180 185 190

His Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Asp
195 200 205

Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Val Glu Asp Glu Ala
210 215 220

Asp Tyr Phe Cys His Ser Tyr Asp Ser Ser Val Ser Gly Trp Ile Phe
225 230 235 240

Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
245 250

<210> 2098

<211> 253

<212> PRT

<213> Homo sapiens

<400> 2098

Glu Val Gln Leu Val Gln Ser Gly Ala Ala Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Thr Tyr
20 25 30

Tyr Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Ile Ile Asn Pro Val Asn Gly Asn Thr Ile Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Gly Thr Val Asn
65 70 75 80

[illegible]

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<210> 2100
<211> 252
<212> PRT
<213> Homo sapiens
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<400> 2100

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Arg Val Ser Cys Lys Ala Ser Gly Tyr Ile Phe Arg Asn His
 20 25 30

Asp Val Asn Trp Val Arg Gln Ala Pro Gly Arg Gly Leu Glu Trp Val
 35 40 45

Gly Trp Met Asn Pro Thr Ser Gly Asn Thr Gly Ile Gly Gln Lys Phe
 50 55 60

Gln Gly Arg Val Lys Met Thr Arg Asp Asn Ser Lys Asp Thr Ala Tyr
 65 70 75 80

Met Glu Leu Ser Ser Leu Thr Ser Asp Asp Thr Ala Thr Tyr Phe Cys
 85 90 95

Ala Arg Ala Leu Leu Gly Leu Pro Ser Asp Phe Ser Tyr Tyr Val Asp
 100 105 110

Val Trp Gly Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly
 115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala His Val Ile Leu
 130 135 140

Thr Gln Pro Pro Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Ile
 145 150 155 160

Ser Cys Thr Gly Gly Ser Ser Asn Leu Gly Ala Gly Ser Asp Val His
 165 170 175

Trp Tyr Gln Gln Leu Pro Arg Thr Ala Pro Lys Leu Leu Ile Tyr Ala
 180 185 190

Asn Thr Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys
 195 200 205

Ser Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp
 210 215 220

Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Lys Ser Leu Ser Gly Val

2497

225

230

235

240

Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
245 250

<210> 2101

<211> 253

<212> PRT

<213> Homo sapiens

<400> 2101

Glu Val Gln Leu Val Gln Ser Gly Ala Ala Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Asn Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Thr Tyr
20 25 30

Tyr Ile His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Ile Ile Asn Pro Ile Asn Gly Asn Thr Ile Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Gly Thr Val Asn
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Phe Tyr Cys
85 90 95

Ala Arg Glu Gly Glu Gly Asp Gly Tyr Asn Val Ala Pro Tyr Tyr Phe
100 105 110

Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly
115 120 125

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val
130 135 140

Val Thr Gln Pro Pro Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr
145 150 155 160

Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Asp Gly Tyr Asp Val
165 170 175

His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr
180 185 190

2498

Gly Asn Ser His Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser
 195 200 205

Lys Ser Asp Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Val Glu
 210 215 220

Asp Glu Ala Asp Tyr Phe Cys His Ser Tyr Asp Ser Ser Val Ser Gly
 225 230 235 240

Trp Ile Phe Gly Gly Gly Thr Lys Val Thr Val Leu Gly
 245 250

<210> 2102

<211> 243

<212> PRT

<213> Homo sapiens

<400> 2102

Glu Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Ser Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Ser Ser Ser Ser Ser Thr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Thr Asp Tyr Gly Gly Phe Asp Tyr Trp Gly Lys Gly Thr Leu
 100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly
 115 120 125

Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr Gln Asp Pro Ala Val
 130 135 140

Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser
145 150 155 160

Leu Arg Thr Tyr Tyr Ala Asn Trp Tyr Gln Gln Lys Pro Gly Gln Ala
165 170 175

Pro Val Val Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro
180 185 190

Asp Arg Phe Ser Gly Ser Ser Ser Gly Tyr Thr Ala Ser Leu Thr Ile
195 200 205

Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Gly
210 215 220

Asp Arg Ser Gly Asn His Tyr Val Phe Gly Thr Gly Thr Gln Leu Thr
225 230 235 240

Val Leu Ser

<210> 2103

<211> 247

<212> PRT

<213> Homo sapiens

<400> 2103

Glu Val Gln Leu Val Gln Ser Gly Ala Asp Val Lys Lys Pro Gly Glu
1 5 10 15

Ser Leu Lys Ile Ser Cys Glu Gly Ser Gly Tyr Thr Phe Ala Asn Tyr
20 25 30

Trp Ile Thr Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met
35 40 45

Gly Arg Ile Asp Pro Ser Asp Ser Tyr Thr Asn Tyr Asn Pro Ser Phe
50 55 60

Gln Gly His Val Thr Met Ser Val Asp Lys Ser Ile Asn Thr Ala Tyr
65 70 75 80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Lys Tyr Tyr Cys
85 90 95

Ala Arg Gly Gly Val Gly Asp Ser Arg Gly Val Phe Asp Pro Trp Gly
 100 105 110

Lys Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr Gln
 130 135 140

Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys
 145 150 155 160

Gln Gly Asp Ser Leu Arg Thr Tyr Tyr Ala Asn Trp Tyr Gln Gln Lys
 165 170 175

Pro Gly Gln Ala Pro Val Val Val Ile Tyr Gly Lys Asn Asn Arg Pro
 180 185 190

Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Ser Ser Gly Tyr Thr Ala
 195 200 205

Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr
 210 215 220

Cys Asn Ser Gly Asp Arg Ser Gly Asn His Tyr Val Phe Gly Thr Gly
 225 230 235 240

Thr Lys Leu Thr Val Leu Gly
 245

<210> 2104

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2104

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val

2501

50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Thr Val Thr Val
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val
130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser
145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu
165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser
180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln
195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro
210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
225 230 235

<210> 2105
<211> 240
<212> PRT
<213> Homo sapiens

<400> 2105
Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

2502

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Thr Val Thr Val
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly
 130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser
 145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu
 165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe
 180 185 190

Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu
 195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser
 210 215 220

Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 225 230 235 240

<210> 2106

<211> 242

<212> PRT

<213> Homo sapiens

<400> 2106

Gln Val Gln Leu Gln Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Ser Leu Thr Gly Asp Ala Phe Asp Ile Trp Gly Arg Ser
 100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser
 130 135 140

Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu
 145 150 155 160

Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro
 165 170 175

Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp
 180 185 190

Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr
 195 200 205

Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp
 210 215 220

Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val
 225 230 235 240

Leu Gly

<210> 2107

<211> 243

<212> PRT

<213> Homo sapiens

<400> 2107

Gln Val Gln Leu Gln Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Ser Pro Leu His Phe Ser Asp Ala Phe Asp Ile Trp Gly Arg
100 105 110

Ser Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
115 120 125

Gly Ser Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val
130 135 140

Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser
145 150 155 160

Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala
165 170 175

Pro Val Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro
180 185 190

2505

Asp Arg Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile
 195 200 205

Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg
 210 215 220

Asp Ser Ser Gly Asn His Val Val Phe Gly Gly Gly Thr Lys Leu Thr
 225 230 235 240

Val Leu Gly

<210> 2108

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2108

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly
 130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Gly Ser Ser Asn Ile Gly Ser
145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu
165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe
180 185 190

Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu
195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser
210 215 220

Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
225 230 235 240

<210> 2109

<211> 243

<212> PRT

<213> Homo sapiens

<400> 2109

Glu Val Gln Leu Val Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Glu Val Gly Gly Ala Phe Asp Ile Trp Gly Arg Ser Thr Leu
100 105 110

Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly

115 120 125
 Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val Ser Gly
 130 135 140
 Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp
 145 150 155 160
 Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys
 165 170 175
 Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser Gly Val
 180 185 190
 Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr
 195 200 205
 Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser
 210 215 220
 Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys Leu Thr
 225 230 235 240
 Val Leu Gly

<210> 2110
 <211> 237
 <212> PRT
 <213> Homo sapiens

<400> 2110
 Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30
 Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

2508

Leu Gln Met Asn Ser⁴ Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val
130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser
145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu
165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser
180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln
195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Gly Thr Pro
210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
225 230 235

<210> 2111

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2111

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Tyr Thr Leu Ser Ala Ser Val
130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser
145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu
165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser
180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln
195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro
210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
225 230 235

<210> 2112

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2112

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Arg Val Thr Val
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln
130 135 140

Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala
145 150 155 160

Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr
165 170 175

Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
180 185 190

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
195 200 205

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Asn His
210 215 220

Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
225 230 235

<210> 2113

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2113

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Thr Val Thr Val
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly
 130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser
 145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu
 165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe
 180 185 190

Ser Gly Ser Lys Ser Ser Thr Ser Gly Ser Leu Val Ile Ser Gly Leu
 195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser
 210 215 220

Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 225 230 235 240

<210> 2114

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2114

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Met Val Thr Val
 100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val
 130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser
 145 150 155 160

Trp Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu
 165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser
 180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln

2513

2514

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser
 180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Arg
 195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro
 210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
 225 230 235

<210> 2116

<211> 245

<212> PRT

<213> Homo sapiens

<400> 2116

Glu Val Gln Leu Val Glu Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Asn Pro Asn Ser Gly Gly Thr Asn Tyr Ala Gln Lys Phe
 50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Glu Ser Leu Thr Gly Asp Ala Phe Asp Ile Trp Gly Arg Ser
 100 105 110

Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
 115 120 125

Ser Gly Gly Gly Gly Ser Gln Ser Val Leu Thr Gln Pro Ala Ser Val
 130 135 140

Ser Gly Ser Pro Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser
145 150 155 160

Ser Asp Val Gly Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro
165 170 175

Gly Lys Ala Pro Lys Leu Met Ile Tyr Glu Gly Ser Lys Arg Pro Ser
180 185 190

Gly Val Ser Asn Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser
195 200 205

Leu Thr Ile Ser Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys
210 215 220

Ser Ser Tyr Thr Thr Arg Ser Thr Arg Val Phe Gly Gly Gly Thr Lys
225 230 235 240

Leu Thr Val Leu Gly
245

<210> 2117

<211> 240

<212> PRT

<213> Homo sapiens

<400> 2117

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Met Val Thr Val
100 105 110

Phe Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly
130 135 140

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser
145 150 155 160

Asn Thr Val Asn Trp Tyr Gln Arg Leu Pro Gly Ala Ala Pro Gln Leu
165 170 175

Leu Ile Tyr Asn Asn Asp Gln Arg Pro Ser Gly Ile Pro Asp Arg Phe
180 185 190

Ser Gly Ser Lys Ser Gly Thr Ser Gly Ser Leu Val Ile Ser Gly Leu
195 200 205

Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ser Trp Asp Asp Ser
210 215 220

Leu Asn Gly Arg Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
225 230 235 240

<210> 2118

<211> 237

<212> PRT

<213> Homo sapiens

<400> 2118

Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Glu Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr

65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Thr Thr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val
100 105 110

Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
115 120 125

Ser Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val
130 135 140

Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser
145 150 155 160

Trp Leu Val Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu
165 170 175

Ile Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser
180 185 190

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln
195 200 205

Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro
210 215 220

Trp Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
225 230 235

<210> 2119
<211> 256
<212> PRT
<213> Homo sapiens

<400> 2119

Gln Val Gln Leu Val Gln Ser Gly Gly Asp Phe Val Gln Pro Gly Gly
1 5 10 15

Pro Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Asp Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

2518

Ser Thr Ile Ser Ser Gly Gly Gly Ser Thr Phe Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Val Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Leu Asn Ser Leu Arg Ala Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Val Lys Gly Ala His Tyr Tyr Asp Arg Ser Pro Ser His Leu Lys Ser
 100 105 110

Tyr Trp Tyr Phe Asp Leu Trp Gly Lys Gly Thr Leu Val Thr Val Ser
 115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
 130 135 140

Ala Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly
 145 150 155 160

Gln Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser
 165 170 175

Asn Pro Leu Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
 180 185 190

Leu Ile Tyr Thr Asn Asp Gln Arg Pro Ser Gly Val Pro Asp Arg Phe
 195 200 205

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
 210 215 220

Gln Ser Glu Asp Ala Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
 225 230 235 240

Leu Gly Thr Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250 255

<210> 2120

<211> 249

<212> PRT

<213> Homo sapiens

<400> 2120

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Leu Lys Gln Pro Gly Thr
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Ser Ser Tyr
 20 25 30

Gly Val Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Val Ser Gly Asn Arg Gly Asn Thr Gln Tyr Ala Gln Lys Phe
 50 55 60

Gln Asp Arg Val Arg Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Pro Asp Asp Thr Ala Val Tyr Phe Cys
 85 90 95

Ala Arg Val Gly Ile Lys Ala Ala Ala Val Asp Asn Phe Glu Tyr Trp
 100 105 110

Gly Arg Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln
 130 135 140

Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Thr Cys
 145 150 155 160

Ser Ala Ser Ser Ser Asn Ile Gly Asp Tyr Tyr Val Asn Trp Tyr Gln
 165 170 175

Gln Val Ser Gly Thr Thr Pro Lys Leu Ile Ile Tyr Arg Asp Asp Gln
 180 185 190

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Ala
 195 200 205

Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu Asp Glu Ala Asn
 210 215 220

Tyr Phe Cys Ala Ala Trp Asp Asp Ser Leu Arg Glu Phe Ala Phe Gly
 225 230 235 240

2520

Thr Gly Thr Lys Val Thr Val Leu Gly
245

<210> 2121

<211> 248

<212> PRT

<213> Homo sapiens

<400> 2121

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
1 5 10 15

Ser Val Lys Val Ser Cys Lys Ser Ser Gly Gly Thr Phe Ser Ser Tyr
20 25 30

Ala Leu Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Val Gly Ile Ile Pro Ile Phe Gly Thr Thr Asn Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Lys Ser Thr Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ile Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Thr Thr Leu Gly Arg Asn Tyr Thr Ser Ser Trp Ser Leu Asp Tyr Trp
100 105 110

Gly Arg Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Leu Ser Ser Glu Leu Thr
130 135 140

Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln Thr Val Arg Ile Thr
145 150 155 160

Cys Gln Gly Asp Ser Leu Arg Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln
165 170 175

Lys Pro Arg Gln Ala Pro Val Leu Val Ile Tyr Gly Lys Asn Asp Arg
180 185 190

2521

Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser Asn Ser Gly Asn Thr
 195 200 205

Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu Asp Glu Ala Asp Tyr
 210 215 220

Tyr Cys Asn Ser Arg Asp Thr Ser Gly Asn His Leu Val Phe Gly Thr
 225 230 235 240

Gly Thr Lys Leu Thr Val Leu Gly
 245

<210> 2122

<211> 249

<212> PRT

<213> Homo sapiens

<400> 2122

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Leu Lys Gln Pro Gly Thr
 1 5 10 15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Ser Ser Tyr
 20 25 30

Gly Val Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Val Ser Gly Asn Arg Gly Asn Thr Gln Tyr Ala Gln Lys Phe
 50 55 60

Gln Asp Arg Val Arg Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr
 65 70 75 80

Met Glu Leu Arg Ser Leu Arg Pro Asp Asp Thr Ala Val Tyr Phe Cys
 85 90 95

Ala Arg Val Gly Ile Lys Ala Ala Ala Val Asp Asn Phe Glu Tyr Trp
 100 105 110

Gly Arg Gly Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly
 115 120 125

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu Thr Gln
 130 135 140

Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile Thr Cys
145 150 155 160

Ser Gly Ser Ser Ser Asn Ile Gly Asp Tyr Tyr Val Asn Trp Tyr Gln
165 170 175

Gln Val Ser Gly Thr Thr Pro Lys Leu Ile Ile Tyr Arg Asp Asp Gln
180 185 190

Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser Gly Ala
195 200 205

Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg Ser Glu Asp Glu Ala Asn
210 215 220

Tyr Phe Cys Ala Ala Trp Asp Asp Ser Leu Arg Glu Phe Ala Phe Gly
225 230 235 240

Ser Gly Thr Lys Val Thr Val Leu Gly
245

<210> 2123

<211> 255

<212> PRT

<213> Homo sapiens

<400> 2123

Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Val Val Gln Ser Gly Thr
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Met Phe Arg Ser Tyr
20 25 30

Glu Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Leu Ile Ser Tyr Asp Gly Ser Asn Glu Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Glu Asn Thr Leu Tyr
65 70 75 80

Val Gln Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Gly Arg Tyr Gly Tyr Tyr Tyr Asp Gly Thr Gly Tyr Val

2523

100 105 110
 Asp Ala Phe Asp Ile Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser
 115 120 125
 Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala
 130 135 140
 Gln Pro Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
 145 150 155 160
 Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Val Asn
 165 170 175
 Thr Val Asp Trp Tyr Leu Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
 180 185 190
 Ile Phe Asn Asn Asp Leu Arg Pro Ser Gly Val Pro Ala Arg Phe Ser
 195 200 205
 Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Gln
 210 215 220
 Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Thr Trp Asp Asp Ser Leu
 225 230 235 240
 Asn Gly Pro Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250 255

 <210> 2124
 <211> 247
 <212> PRT
 <213> Homo sapiens

 <400> 2124
 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

 Ser Val Arg Val Ser Cys Lys Ser Ser Gly Tyr Thr Phe Thr Asn Tyr
 20 25 30

 Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

 Gly Trp Ile Ser Asn Asn Asn Gly Lys Thr Tyr Tyr Ala Gln Lys Val
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Asp Tyr
65 70 75 80

Met Glu Leu Arg Gly Leu Arg Ser Asp Asp Thr Ala Ile Tyr Tyr Cys
85 90 95

Ala Arg Asp Asn Gly Gly Gly Thr Ile Gly Phe Asp Tyr Trp Gly Arg
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Pro Ser
130 135 140

Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Met Ser Cys Thr Gly
145 150 155 160

Ser Ser Ser Ile Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln Gln
165 170 175

Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Asp Asn Thr Asn Arg
180 185 190

Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Arg Ser Gly Thr Ser
195 200 205

Ala Ser Leu Ala Ile Thr Gly Leu Gln Asp Glu Asp Glu Ala Asp Tyr
210 215 220

Phe Ser Gln Ser Tyr Gly Ile Thr Leu Ser Ala Val Phe Gly Thr Gly
225 230 235 240

Thr Lys Val Ala Val Leu Gly
245

<210> 2125

<211> 251

<212> PRT

<213> Homo sapiens

<400> 2125

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Thr Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Thr Ser Gly Tyr Ser Phe Ser Thr Tyr
20 25 30

Lys Ile Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Leu
35 40 45

Gly Trp Ile Ser Pro Asn Ser Gly Gly Thr Asn Phe Ala Gln Ile Leu
50 55 60

Gln Gly Arg Val Ala Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr
65 70 75 80

Leu Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Val Arg Gln Gln Ile Ala Asp Pro Pro Arg Ser Phe Phe Asp
100 105 110

Pro Trp Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly
115 120 125

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Pro Val Leu
130 135 140

Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile
145 150 155 160

Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Thr Val Asn Trp
165 170 175

Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu Met Tyr Ser Asn
180 185 190

Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser
195 200 205

Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu
210 215 220

Ala Asp Tyr Tyr Cys Gln Ser Phe Asp Ser Ser Leu Asn Val Arg Ile
225 230 235 240

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
245 250

2526

<210> 2126

<211> 247

<212> PRT

<213> Homo sapiens

<400> 2126

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Arg Val Ser Cys Lys Ser Ser Gly Tyr Thr Phe Thr Asn Tyr
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Ser Asn Asn Asn Gly Lys Thr Tyr Tyr Ala Gln Lys Val
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Asp Tyr
 65 70 75 80

Met Glu Leu Arg Gly Leu Arg Ser Asp Asp Thr Ala Ile Tyr Tyr Cys
 85 90 95

Ala Arg Asp Asn Gly Gly Gly Thr Ile Gly Phe Asp Tyr Trp Gly Arg
 100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr His Pro Ser
 130 135 140

Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Met Ser Cys Thr Gly
 145 150 155 160

Ser Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln Gln
 165 170 175

Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Asp Asn Thr Asn Arg
 180 185 190

Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Arg Ser Gly Thr Ser
 195 200 205

Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr
 210 215 220

Phe Cys Gln Ser Tyr Asp Ile Thr Leu Ser Ala Val Phe Gly Thr Gly
 225 230 235 240

Thr Lys Val Thr Val Leu Gly
 245

<210> 2127

<211> 247

<212> PRT

<213> Homo sapiens

<400> 2127

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 1 5 10 15

Ser Val Arg Val Ser Cys Lys Ser Ser Gly Tyr Thr Phe Thr Asn Tyr
 20 25 30

Gly Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 35 40 45

Gly Trp Ile Ser Asn Asn Asn Gly Lys Thr Tyr Tyr Ala Gln Lys Val
 50 55 60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Asp Tyr
 65 70 75 80

Met Glu Leu Arg Gly Leu Arg Ser Asp Asp Thr Ala Ile Tyr Tyr Cys
 85 90 95

Ala Arg Asp Asn Gly Gly Gly Thr Ile Gly Phe Asp Tyr Trp Gly Arg
 100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
 115 120 125

Gly Ser Gly Gly Gly Gly Ser Ala Gln Ala Val Leu Thr Gln Gln Ser
 130 135 140

Ser Val Ser Gly Ala Pro Gly Gln Arg Val Thr Met Ser Cys Thr Gly
 145 150 155 160

Ser Ser Ser Asn Ile Gly Ala Gly Tyr Asp Val His Trp Tyr Gln Gln
165 170 175

Leu Pro Gly Thr Ala Pro Lys Leu Leu Ile Tyr Asp Asn Thr Asn Arg
180 185 190

Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Arg Ser Gly Thr Ser
195 200 205

Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr
210 215 220

Phe Cys Gln Ser Tyr Asp Ile Thr Leu Ser Ala Val Phe Gly Thr Gly
225 230 235 240

Thr Lys Val Thr Val Leu Gly
245

<210> 2128

<211> 251

<212> PRT

<213> Homo sapiens

<400> 2128

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Thr Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Val Ser Cys Lys Thr Ser Gly Tyr Ser Phe Ser Thr Tyr
20 25 30

Lys Ile Thr Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Leu
35 40 45

Gly Trp Ile Ser Pro Asn Ser Gly Gly Thr Asn Phe Ala Gln Ile Leu
50 55 60

Gln Gly Arg Val Ala Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr
65 70 75 80

Leu Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Val Arg Gln Gln Ile Ala Asp Pro Pro Arg Ser Phe Phe Asp
100 105 110

Pro Trp Gly Lys Gly Thr Met Val Thr Val Ser Ser Gly Gly Gly Gly

2529

115 120 125
 Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Gln Ser Val Leu
 130 135 140
 Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln Arg Val Thr Ile
 145 150 155 160
 Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn Ser Val Asn Trp
 165 170 175
 Tyr Gln Gln Leu Ser Gly Thr Ala Pro Lys Leu Leu Met Tyr Ser Asn
 180 185 190
 Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Lys Ser
 195 200 205
 Gly Ala Ser Ala Ser Leu Ala Ile Thr Gly Leu Gln Ala Glu Asp Glu
 210 215 220
 Ala Asp Tyr Tyr Cys Gln Ser Phe Asp Ser Ser Leu Asn Val Arg Ile
 225 230 235 240
 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 245 250

 <210> 2129
 <211> 16
 <212> PRT
 <213> Homo sapiens

 <400> 2129
 Asp Arg Tyr Asp Ile Leu Thr Gly Tyr Tyr Tyr Tyr Gly Met Asp Val
 1 5 10 15

 <210> 2130
 <211> 13
 <212> PRT
 <213> Homo sapiens

 <400> 2130
 His Asp Asp Asp Val Leu Thr Gly Tyr Tyr Phe Glu Ser
 1 5 10

 <210> 2131
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 2131

Ala Ala Thr Thr Ser Gln Lys His Asn Lys Tyr Ala Tyr Tyr Phe Tyr
1 5 10 15

Gly Met Asp Val

20

<210> 2132

<211> 23

<212> PRT

<213> Homo sapiens

<400> 2132

Val Gln Met Asp Ser Glu Tyr Tyr Asp Leu Leu Thr Gly Ile Asn Val
1 5 10 15

Gly Pro Tyr Tyr Phe Asp Tyr

20

<210> 2133

<211> 14

<212> PRT

<213> Homo sapiens

<400> 2133

Ser Arg Asp Leu Leu Leu Phe Pro His Tyr Gly Met Asp Val
1 5 10

<210> 2134

<211> 15

<212> PRT

<213> Homo sapiens

<400> 2134

Ala Pro Tyr Asp Leu Leu Thr His Tyr Phe His Tyr Phe Asp Tyr
1 5 10 15

<210> 2135

<211> 17

<212> PRT

<213> Homo sapiens

<400> 2135

Asp Gly Tyr Tyr Asp Ile Leu Thr Gly Tyr Ser Tyr Tyr Gly Met Asp
1 5 10 15

Val

<210> 2136

<211> 12
<212> PRT
<213> Homo sapiens

<400> 2136
Gly Tyr Asp Ser Ser Ala Phe Arg Ala Phe Asp Ile
1 5 10

<210> 2137
<211> 16
<212> PRT
<213> Homo sapiens

<400> 2137
Pro Phe Tyr Asp Thr Leu Thr Ser Tyr Val Phe Gln Tyr Phe Asp His
1 5 10 15

<210> 2138
<211> 16
<212> PRT
<213> Homo sapiens

<400> 2138
Pro Phe Tyr Asp Ile Leu Thr Arg Tyr Val Phe Gln Tyr Phe Asp His
1 5 10 15

<210> 2139
<211> 16
<212> PRT
<213> Homo sapiens

<400> 2139
Pro Phe Tyr Asp Ile Leu Thr Ser Tyr Val Phe Gln Tyr Phe Asp His
1 5 10 15

<210> 2140
<211> 16
<212> PRT
<213> Homo sapiens

<400> 2140
Pro Phe Tyr Asp Thr Leu Thr Gly Tyr Val Phe Gln Val Trp Val Ala
1 5 10 15

<210> 2141
<211> 16
<212> PRT
<213> Homo sapiens

<400> 2141
Pro Phe Tyr Asp Thr Leu Thr Gly Tyr Val Phe Gln Tyr Phe Asp His
1 5 10 15

<210> 2142
<211> 16
<212> PRT
<213> Homo sapiens

<400> 2142
Pro Phe Tyr Asp Thr Leu Thr Arg Tyr Val Phe Gln Val Trp Val Ala
1 5 10 15

<210> 2143
<211> 16
<212> PRT
<213> Homo sapiens

<400> 2143
Pro Phe Tyr Asp Thr Leu Thr Ser Tyr Val Phe Gln Val Trp Val Ala
1 5 10 15

<210> 2144
<211> 16
<212> PRT
<213> Homo sapiens

<400> 2144
Pro Phe Tyr Asp Thr Leu Thr Arg Tyr Val Phe Gln Tyr Phe Asp His
1 5 10 15

<210> 2145
<211> 16
<212> PRT
<213> Homo sapiens

<400> 2145
Pro Phe Tyr Asp Thr Leu Thr Ser Tyr Val Leu Gly Tyr Tyr Leu Ser
1 5 10 15

<210> 2146
<211> 14
<212> PRT
<213> Homo sapiens

<400> 2146
Ser Arg Asp Leu Leu Leu Phe Pro His His Gly Leu Asp Ser
1 5 10

<210> 2147
<211> 14
<212> PRT
<213> Homo sapiens

<400> 2147
Ser Arg Asp Leu Leu Leu Phe Pro His His Ser Phe Asp Leu
1 5 10

<210> 2148
<211> 14
<212> PRT
<213> Homo sapiens

<400> 2148
Ser Arg Asp Leu Leu Leu Phe Pro Leu Ala Pro Leu Tyr Pro
1 5 10

<210> 2149
<211> 14
<212> PRT
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Ala Leu Leu Gly Leu Pro Ser Asp Phe Ser Tyr Tyr Val Asp Val

1 5 10 15

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Glu Gly Glu Gly Asp Gly Tyr Asn Val Ala Pro Tyr Tyr Phe Asp Tyr
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<400> 3161

Leu Ile Glu Asp Phe
1 5

<210> 3162

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<400> 3162

Gly Gly Val Gly Asp Ser Arg Gly Val Phe Asp Pro
1 5 10

<210> 3163

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<400> 3163

Leu Pro Pro Asp Leu Arg Tyr Cys Asp Gly Gly Ile Cys Pro Gly Phe
1 5 10 15

Asp Trp Leu Gly Pro
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Asp Leu Ser Arg Val Ala Gly Arg Phe Asp Tyr
1 5 10

<210> 3165

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<212> PRT
<213> Homo sapiens

<400> 3165
Glu Phe Phe Gly Tyr Val Tyr Leu Thr Asp Tyr
1 5 10

<210> 3166
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<213> Homo sapiens

<400> 3166
Ala Asp Tyr Ser Asn Asp Tyr Tyr Met Asp Val
1 5 10

<210> 3167
<211> 5
<212> PRT
<213> Homo sapiens

<400> 3167
Phe Asp Leu Asp Tyr
1 5

<210> 3168
<211> 5
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<213> Homo sapiens

<400> 3168
Leu Leu Ser Asp Tyr
1 5

<210> 3169
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<212> PRT
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<400> 3169
Gly Phe Ala Leu Tyr Lys Asp
1 5

<210> 3170
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<400> 3170
Arg Leu Ile Arg Lys Ala Arg
1 5

<210> 3171

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Ala Ser Tyr Pro Val Pro Phe Asp Tyr
1 5

<210> 3172
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Val Asp Tyr Thr Asp Tyr Glu Met Gly Ala Phe Asp Leu
1 5 10

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Val Arg Asp Asp Ser Ala Gly Phe Asp Tyr
1 5 10

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Leu Ala Phe Asp Ile
1 5

<210> 3175
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Thr Gly Ile Trp Gly Tyr Tyr Phe Asp Tyr
1 5 10

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Gly Leu Asp Val Tyr Ala Ile Tyr Gly Leu Asp Val
1 5 10

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<400> 3177
Gly Gly Asp Met Thr Thr Val Thr Thr Asp Tyr
1 5 10

<210> 3178
<211> 10
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<213> Homo sapiens

<400> 3178
Glu Ile Gly Trp Glu Gly Ala Phe Asp Ile
1 5 10

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<211> 8
<212> PRT
<213> Homo sapiens

<400> 3179
Val Lys Arg Tyr Tyr Phe Asp Tyr
1 5

<210> 3180
<211> 10
<212> PRT
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<400> 3180
Glu Ala Gly Glu Val Ala Ala Ile Asp Tyr
1 5 10

<210> 3181
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<400> 3181
Leu Gly Arg Asn Tyr Thr Ser Ser Trp Ser Leu Asp Tyr
1 5 10

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<400> 3182
Asp Arg Thr Arg Met Asp Val
1 5

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<400> 3183
Gly Gly Met Asp Trp Asp Phe Asp Tyr
1 5

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<400> 3184
Gly Leu Ala Pro Ile Val Asp Gly Gly Met Thr Asn Asp Ala Phe Asp
1 5 10 15

Ile

<210> 3185
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<212> PRT
<213> Homo sapiens

<400> 3185
Pro Tyr Gly Ser Gly Ser Tyr Ala Phe Asp Ile
1 5 10

<210> 3186
<211> 10
<212> PRT
<213> Homo sapiens

<400> 3186
Leu His Cys Thr Gly Gly Ser Cys Gly Phe
1 5 10

<210> 3187
<211> 13
<212> PRT
<213> Homo sapiens

<400> 3187
Val Asp Tyr Thr Asp Tyr Glu Met Gly Ala Phe Glu Ile
1 5 10

<210> 3188
<211> 16
<212> PRT
<213> Homo sapiens

<400> 3188

Glu Ala Gly Gly Ser Gly Ser Tyr His Phe Ser Phe Pro Phe Asp Tyr
1 5 10 15

<210> 3189

<211> 12

<212> PRT

<213> Homo sapiens

<400> 3189

Glu Ala Tyr Ala Ser Ser Trp Ala Glu Phe Asp Phe
1 5 10

<210> 3190

<211> 12

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<213> Homo sapiens

<400> 3190

Glu Ala Tyr Thr Ser Ser Trp Ala Glu Phe Asp Phe
1 5 10

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<211> 11

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<213> Homo sapiens

<400> 3191

Glu Leu Val Gly Ala Pro Gly Gly Phe Asp Pro
1 5 10

<210> 3192

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<213> Homo sapiens

<400> 3192

Asp Val Pro Pro Pro Asp Gly Tyr Leu Glu Val
1 5 10

<210> 3193

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<213> Homo sapiens

<400> 3193

Asp Leu Ser Gly Ser Tyr Phe Ser Arg Tyr Phe Asp Tyr
1 5 10

<210> 3194

<211> 13

<212> PRT

<213> Homo sapiens

<400> 3194

Asp Arg Ile Ala Ala Gly Gly Asp Ala Phe Asp Ile
1 5 10

<210> 3195

<211> 7

<212> PRT

<213> Homo sapiens

<400> 3195

Gly Trp Arg Gly Val Asp Tyr
1 5

<210> 3196

<211> 10

<212> PRT

<213> Homo sapiens

<400> 3196

Val Gly Asn Phe Gly Tyr Tyr Phe Glu Tyr
1 5 10

<210> 3197

<211> 12

<212> PRT

<213> Homo sapiens

<400> 3197

Asp Leu Tyr Lys Asn Gly Tyr Ala Leu Phe Asp Ser
1 5 10

<210> 3198

<211> 9

<212> PRT

<213> Homo sapiens

<400> 3198

Ser Asp Asp Trp Gly Ala Tyr His Ile
1 5

<210> 3199

<211> 12

<212> PRT

<213> Homo sapiens

<400> 3199

Ser Thr Leu Glu Val Gly Ala Thr Asp Phe Asp Tyr
1 5 10

<210> 3200

<211> 9

<212> PRT
<213> Homo sapiens

<400> 3200
Glu Gly Leu Leu Asp Ala Phe Asp Ile
1 5

<210> 3201
<211> 10
<212> PRT
<213> Homo sapiens

<400> 3201
Asp Glu Tyr Ser Ser Leu Tyr Met Asp Val
1 5 10

<210> 3202
<211> 10
<212> PRT
<213> Homo sapiens

<400> 3202
Ser Asn Trp Gly Gly Asp Ala Phe Asp Ile
1 5 10

<210> 3203
<211> 17
<212> PRT
<213> Homo sapiens

<400> 3203
Glu Ser Ser Gly Thr Leu Gly Glu Phe Ser Leu Glu Leu Pro Phe Asp
1 5 10 15

Tyr

<210> 3204
<211> 14
<212> PRT
<213> Homo sapiens

<400> 3204
Thr Ser Glu Arg Gly Thr Tyr Arg Gln Trp Asp Phe Asp Asn
1 5 10

<210> 3205
<211> 10
<212> PRT
<213> Homo sapiens

<400> 3205
His Asp Val Tyr Gly Asp Leu Phe Asp Ser

1 5 10

<210> 3206
<211> 12
<212> PRT
<213> Homo sapiens

<400> 3206
Leu Gly Val Ala Arg Gly Arg Glu Ala Phe Asp Leu
1 5 10

<210> 3207
<211> 10
<212> PRT
<213> Homo sapiens

<400> 3207
Asp Gln Gly Ile Glu Thr Ala Asn Asp Tyr
1 5 10

<210> 3208
<211> 10
<212> PRT
<213> Homo sapiens

<400> 3208
Ser Val Ala Gly Arg Gly Asn Phe Asp Tyr
1 5 10

<210> 3209
<211> 13
<212> PRT
<213> Homo sapiens

<400> 3209
Arg Gly Gly Thr Ser Glu Asn Tyr Ser Gly Met Asp Val
1 5 10

<210> 3210
<211> 6
<212> PRT
<213> Homo sapiens

<400> 3210
Gly Gly Trp Leu Asp Asp
1 5

<210> 3211
<211> 10
<212> PRT
<213> Homo sapiens

<400> 3211

His Asp Val Tyr Gly Asp Leu Phe Asp Tyr
1 5 10

<210> 3212

<211> 16

<212> PRT

<213> Homo sapiens

<400> 3212

Glu Thr Phe Ser His Cys Ser Gly Gly Ser Cys Tyr Pro Phe Asp Tyr
1 5 10 15

<210> 3213

<211> 9

<212> PRT

<213> Homo sapiens

<400> 3213

Val Asp Ser Ser Gly Tyr Ala Tyr Tyr
1 5

<210> 3214

<211> 8

<212> PRT

<213> Homo sapiens

<400> 3214

Ser Ser Arg Asn Gly Gly Asp Tyr
1 5

<210> 3215

<211> 14

<212> PRT

<213> Homo sapiens

<400> 3215

Arg Thr Pro Asp His Asn Gly Asp Ser Gly Pro Pro Asp Tyr
1 5 10

<210> 3216

<211> 6

<212> PRT

<213> Homo sapiens

<400> 3216

Val His Ser Ser Gly Ser
1 5

<210> 3217

<211> 12

<212> PRT

<213> Homo sapiens

<400> 3217
Gly Lys Arg Tyr Ser Tyr Gly Trp Tyr Phe Asp Val
1 5 10

<210> 3218
<211> 14
<212> PRT
<213> Homo sapiens

<400> 3218
Leu Arg Pro Asp Ala Asp Tyr Gly Asp Tyr Gly Phe Asp Tyr
1 5 10

<210> 3219
<211> 21
<212> PRT
<213> Homo sapiens

<400> 3219
Leu Pro Pro Asp Leu Arg Tyr Cys Asp Gly Gly Met Cys Ser Gly Phe
1 5 10 15

Asp Trp Leu Gly Pro
20

<210> 3220
<211> 11
<212> PRT
<213> Homo sapiens

<400> 3220
Asp Gly Thr Lys Tyr Asp Trp Gly Phe Asp Tyr
1 5 10

<210> 3221
<211> 10
<212> PRT
<213> Homo sapiens

<400> 3221
Leu His Cys Ser Gly Gly Ser Cys Gly Phe
1 5 10

<210> 3222
<211> 18
<212> PRT
<213> Homo sapiens

<400> 3222
Gly Pro Ile Tyr Tyr Phe Asp Gly Ser Ala Tyr Glu Gly Tyr Tyr Phe
1 5 10 15

Asp Tyr

<210> 3223

<211> 8

<212> PRT

<213> Homo sapiens

<400> 3223

Met Asn Ala Asp Ala Phe Glu Ile

1

5

<210> 3224

<211> 10

<212> PRT

<213> Homo sapiens

<400> 3224

Phe Gly Ala Gly Arg Leu Tyr Asp Asp Tyr

1

5

10

<210> 3225

<211> 15

<212> PRT

<213> Homo sapiens

<400> 3225

Ala Gly Gly Asn Pro Arg Ser Gly Ser Leu Val Tyr Phe Asp Tyr

1

5

10

15

<210> 3226

<211> 19

<212> PRT

<213> Homo sapiens

<400> 3226

Gly Gly Arg Tyr Gly Tyr Tyr Tyr Asp Gly Thr Gly Tyr Val Asp Ala

1

5

10

15

Phe Asp Ile

<210> 3227

<211> 19

<212> PRT

<213> Homo sapiens

<400> 3227

Asp Tyr Tyr Asp Gly Ser Ser Tyr Ser Ser Gly Asp Tyr Tyr Tyr Tyr

1

5

10

15

Met Asp Val

<210> 3228
 <211> 285
 <212> PRT
 <213> Homo sapiens

<400> 3228

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Met Asp Asp Ser Thr Glu Arg Glu Gln Ser Arg Leu Thr Ser Cys Leu
1              5              10              15

Lys Lys Arg Glu Glu Met Lys Leu Lys Glu Cys Val Ser Ile Leu Pro
          20              25              30

Arg Lys Glu Ser Pro Ser Val Arg Ser Ser Lys Asp Gly Lys Leu Leu
          35              40              45

Ala Ala Thr Leu Leu Leu Ala Leu Leu Ser Cys Cys Leu Thr Val Val
          50              55              60

Ser Phe Tyr Gln Val Ala Ala Leu Gln Gly Asp Leu Ala Ser Leu Arg
          65              70              75              80

Ala Glu Leu Gln Gly His His Ala Glu Lys Leu Pro Ala Gly Ala Gly
          85              90              95

Ala Pro Lys Ala Gly Leu Glu Glu Ala Pro Ala Val Thr Ala Gly Leu
          100             105             110

Lys Ile Phe Glu Pro Pro Ala Pro Gly Glu Gly Asn Ser Ser Gln Asn
          115             120             125

Ser Arg Asn Lys Arg Ala Val Gln Gly Pro Glu Glu Thr Val Thr Gln
          130             135             140

Asp Cys Leu Gln Leu Ile Ala Asp Ser Glu Thr Pro Thr Ile Gln Lys
          145             150             155             160

Gly Ser Tyr Thr Phe Val Pro Trp Leu Leu Ser Phe Lys Arg Gly Ser
          165             170             175

Ala Leu Glu Glu Lys Glu Asn Lys Ile Leu Val Lys Glu Thr Gly Tyr
          180             185             190

Phe Phe Ile Tyr Gly Gln Val Leu Tyr Thr Asp Lys Thr Tyr Ala Met
          195             200             205

Gly His Leu Ile Gln Arg Lys Lys Val His Val Phe Gly Asp Glu Leu
          210             215             220

Ser Leu Val Thr Leu Phe Arg Cys Ile Gln Asn Met Pro Glu Thr Leu
          225             230             235             240

Pro Asn Asn Ser Cys Tyr Ser Ala Gly Ile Ala Lys Leu Glu Glu Gly
          245             250             255

Asp Glu Leu Gln Leu Ala Ile Pro Arg Glu Asn Ala Gln Ile Ser Leu

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2733

Val Thr Phe Phe Gly Ala Leu Lys Leu Leu
260 265

<210> 3230

<211> 309

<212> PRT

<213> Mus musculus

<400> 3230

Met Asp Glu Ser Ala Lys Thr Leu Pro Pro Pro Cys Leu Cys Phe Cys
1 5 10 15

Ser Glu Lys Gly Glu Asp Met Lys Val Gly Tyr Asp Pro Ile Thr Pro
20 25 30

Gln Lys Glu Glu Gly Ala Trp Phe Gly Ile Cys Arg Asp Gly Arg Leu
35 40 45

Leu Ala Ala Thr Leu Leu Leu Ala Leu Leu Ser Ser Ser Phe Thr Ala
50 55 60

Met Ser Leu Tyr Gln Leu Ala Ala Leu Gln Ala Asp Leu Met Asn Leu
65 70 75 80

Arg Met Glu Leu Gln Ser Tyr Arg Gly Ser Ala Thr Pro Ala Ala Ala
85 90 95

Gly Ala Pro Glu Leu Thr Ala Gly Val Lys Leu Leu Thr Pro Ala Ala
100 105 110

Pro Arg Pro His Asn Ser Ser Arg Gly His Arg Asn Arg Arg Ala Phe
115 120 125

Gln Gly Pro Glu Glu Thr Glu Gln Asp Val Asp Leu Ser Ala Pro Pro
130 135 140

Ala Pro Cys Leu Pro Gly Cys Arg His Ser Gln His Asp Asp Asn Gly
145 150 155 160

Met Asn Leu Arg Asn Ile Ile Gln Asp Cys Leu Gln Leu Ile Ala Asp
165 170 175

Ser Asp Thr Pro Thr Ile Arg Lys Gly Thr Tyr Thr Phe Val Pro Trp
180 185 190

Leu Leu Ser Phe Lys Arg Gly Asn Ala Leu Glu Glu Lys Glu Asn Lys
195 200 205

Ile Val Val Arg Gln Thr Gly Tyr Phe Phe Ile Tyr Ser Gln Val Leu
210 215 220

Tyr Thr Asp Pro Ile Phe Ala Met Gly His Val Ile Gln Arg Lys Lys
225 230 235 240

Val His Val Phe Gly Asp Glu Leu Ser Leu Val Thr Leu Phe Arg Cys
245 250 255

Ile Gln Asn Met Pro Lys Thr Leu Pro Asn Asn Ser Cys Tyr Ser Ala
 260 265 270

Gly Ile Ala Arg Leu Glu Glu Gly Asp Glu Ile Gln Leu Ala Ile Pro
 275 280 285

Arg Glu Asn Ala Gln Ile Ser Arg Asn Gly Asp Asp Thr Phe Phe Gly
 290 295 300

Ala Leu Lys Leu Leu
 305

<210> 3231

<211> 290

<212> PRT

<213> Mus musculus

<400> 3231

Met Asp Glu Ser Ala Lys Thr Leu Pro Pro Pro Cys Leu Cys Phe Cys
 1 5 10 15

Ser Glu Lys Gly Glu Asp Met Lys Val Gly Tyr Asp Pro Ile Thr Pro
 20 25 30

Gln Lys Glu Glu Gly Ala Trp Phe Gly Ile Cys Arg Asp Gly Arg Leu
 35 40 45

Leu Ala Ala Thr Leu Leu Leu Ala Leu Leu Ser Ser Ser Phe Thr Ala
 50 55 60

Met Ser Leu Tyr Gln Leu Ala Ala Leu Gln Ala Asp Leu Met Asn Leu
 65 70 75 80

Arg Met Glu Leu Gln Ser Tyr Arg Gly Ser Ala Thr Pro Ala Ala Ala
 85 90 95

Gly Ala Pro Glu Leu Thr Ala Gly Val Lys Leu Leu Thr Pro Ala Ala
 100 105 110

Pro Arg Pro His Asn Ser Ser Arg Gly His Arg Asn Arg Arg Ala Phe
 115 120 125

Gln Gly Pro Glu Glu Thr Glu Gln Asp Val Asp Leu Ser Ala Pro Pro
 130 135 140

Ala Pro Cys Leu Pro Gly Cys Arg His Ser Gln His Asp Asp Asn Gly
 145 150 155 160

Met Asn Leu Arg Asn Arg Thr Tyr Thr Phe Val Pro Trp Leu Leu Ser
 165 170 175

Phe Lys Arg Gly Asn Ala Leu Glu Glu Lys Glu Asn Lys Ile Val Val
 180 185 190

Arg Gln Thr Gly Tyr Phe Phe Ile Tyr Ser Gln Val Leu Tyr Thr Asp
 195 200 205

Pro Ile Phe Ala Met Gly His Val Ile Gln Arg Lys Lys Val His Val

2735

210 215 220
 Phe Gly Asp Glu Leu Ser Leu Val Thr Leu Phe Arg Cys Ile Gln Asn
 225 230 235 240
 Met Pro Lys Thr Leu Pro Asn Asn Ser Cys Tyr Ser Ala Gly Ile Ala
 245 250 255
 Arg Leu Glu Glu Gly Asp Glu Ile Gln Leu Ala Ile Pro Arg Glu Asn
 260 265 270
 Ala Gln Ile Ser Arg Asn Gly Asp Asp Thr Phe Phe Gly Ala Leu Lys
 275 280 285
 Leu Leu
 290

<210> 3232
 <211> 239
 <212> PRT
 <213> Rattus rattus

<400> 3232

Ala Val Gln Ala Asp Leu Met Ser Leu Arg Met Glu Leu Gln Ser Tyr
 1 5 10 15
 Arg Ser Ser Ala Thr Pro Ala Ala Pro Gly Ala Pro Gly Leu Ser Ala
 20 25 30
 Gly Val Lys Leu Pro Thr Pro Ala Ala Pro Gly Pro His Asn Ser Ser
 35 40 45
 Arg Gly Gln Arg Asn Arg Arg Ala Phe Gln Gly Pro Glu Glu Thr Glu
 50 55 60
 Gln Asp Val Asp Leu Ser Ala Thr Pro Ala Pro Ser Leu Pro Gly Asn
 65 70 75 80
 Cys His Ala Ser His His Asp Glu Asn Gly Leu Asn Leu Arg Thr Ile
 85 90 95
 Ile Gln Asp Cys Leu Gln Leu Ile Ala Asp Ser Asn Thr Pro Thr Ile
 100 105 110
 Arg Lys Gly Thr Tyr Thr Phe Val Pro Trp Leu Leu Ser Phe Lys Arg
 115 120 125
 Gly Asn Ala Leu Glu Glu Lys Glu Asn Lys Ile Val Val Arg Gln Thr
 130 135 140
 Gly Tyr Phe Phe Ile Tyr Ser Gln Val Leu Tyr Thr Asp Pro Ile Phe
 145 150 155 160
 Ala Met Gly His Val Ile Gln Arg Lys Lys Ile His Val Phe Gly Asp
 165 170 175
 Glu Leu Ser Leu Val Thr Leu Phe Arg Cys Ile Gln Asn Met Pro Lys
 180 185 190

2736

Thr Leu Pro Asn Asn Ser Cys Tyr Ser Ala Gly Ile Ala Lys Leu Glu
 195 200 205
 Glu Gly Asp Glu Ile Gln Leu Ala Ile Pro Arg Glu Asn Ala Gln Ile
 210 215 220
 Ser Arg Asn Gly Asp Asp Thr Phe Phe Gly Ala Leu Lys Leu Leu
 225 230 235
 <210> 3233
 <211> 220
 <212> PRT
 <213> Rattus rattus
 <400> 3233
 Ala Val Gln Ala Asp Leu Met Ser Leu Arg Met Glu Leu Gln Ser Tyr
 1 5 10 15
 Arg Ser Ser Ala Thr Pro Ala Ala Pro Gly Ala Pro Gly Leu Ser Ala
 20 25 30
 Gly Val Lys Leu Pro Thr Pro Ala Ala Pro Gly Pro His Asn Ser Ser
 35 40 45
 Arg Gly Gln Arg Asn Arg Arg Ala Phe Gln Gly Pro Glu Glu Thr Glu
 50 55 60
 Gln Asp Val Asp Leu Ser Ala Thr Pro Val Pro Ser Leu Pro Gly Asn
 65 70 75 80
 Cys His Ala Ser His His Asp Glu Asn Gly Leu Asn Leu Arg Thr Arg
 85 90 95
 Thr Tyr Thr Phe Val Pro Trp Leu Leu Ser Phe Lys Arg Gly Asn Ala
 100 105 110
 Leu Glu Glu Lys Glu Asn Lys Ile Val Val Arg Gln Thr Gly Tyr Phe
 115 120 125
 Phe Ile Tyr Ser Gln Val Leu Tyr Thr Asp Pro Ile Phe Ala Met Gly
 130 135 140
 His Val Ile Gln Arg Lys Lys Ile His Val Phe Gly Asp Glu Leu Ser
 145 150 155 160
 Leu Val Thr Leu Phe Arg Cys Ile Gln Asn Met Pro Lys Thr Leu Pro
 165 170 175
 Asn Asn Ser Cys Tyr Ser Ala Gly Ile Ala Lys Leu Glu Glu Gly Asp
 180 185 190
 Glu Ile Gln Leu Ala Ile Pro Arg Glu Asn Ala Gln Ile Ser Arg Asn
 195 200 205
 Gly Asp Asp Thr Phe Phe Gly Ala Leu Lys Leu Leu
 210 215 220

<210> 3234
 <211> 207
 <212> PRT
 <213> Rattus rattus

<400> 3234

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Ala Val Gln Ala Asp Leu Met Ser Leu Arg Met Glu Leu Gln Ser Tyr
1           5           10           15
Arg Ser Ser Ala Thr Pro Ala Ala Pro Gly Ala Pro Gly Leu Ser Ala
20           25           30
Gly Val Lys Leu Pro Thr Pro Ala Ala Pro Gly Pro His Asn Ser Ser
35           40           45
Arg Gly Gln Arg Asn Arg Arg Ala Phe Gln Gly Pro Glu Glu Thr Val
50           55           60
Ile Gln Asp Cys Leu Gln Leu Ile Ala Asp Ser Asn Thr Pro Thr Ile
65           70           75           80
Arg Lys Gly Thr Tyr Thr Phe Val Pro Trp Leu Leu Ser Phe Lys Arg
85           90           95
Gly Asn Ala Leu Glu Glu Lys Glu Asn Lys Ile Val Val Arg Gln Thr
100          105          110
Gly Tyr Phe Phe Ile Tyr Ser Gln Val Leu Tyr Thr Asp Pro Ile Phe
115          120          125
Ala Met Gly His Val Ile Gln Arg Lys Lys Ile His Val Phe Gly Asp
130          135          140
Glu Leu Ser Leu Val Thr Leu Phe Arg Cys Ile Gln Asn Met Pro Lys
145          150          155          160
Thr Leu Pro Asn Asn Ser Cys Tyr Ser Ala Gly Ile Ala Lys Leu Glu
165          170          175
Glu Gly Asp Glu Val Gln Leu Ala Ile Pro Arg Glu Asn Ala Gln Ile
180          185          190
Ser Arg Asn Gly Asp Asp Thr Phe Phe Gly Ala Leu Lys Leu Leu
195          200          205

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<210> 3235
 <211> 188
 <212> PRT
 <213> Rattus rattus

<400> 3235

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Ala Val Gln Ala Asp Leu Met Ser Leu Arg Met Glu Leu Gln Ser Tyr
1           5           10           15
Arg Ser Ser Ala Thr Pro Ala Ala Pro Gly Ala Pro Gly Leu Ser Ala
20           25           30

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Gly Val Lys Leu Pro Thr Pro Ala Ala Pro Gly Pro His Asn Ser Ser
35 40 45

Arg Gly Gln Arg Asn Arg Arg Ala Phe Gln Gly Pro Glu Glu Thr Gly
50 55 60

Thr Tyr Thr Phe Val Pro Trp Leu Leu Ser Phe Lys Arg Gly Asn Ala
65 70 75 80

Leu Glu Glu Lys Glu Asn Lys Ile Val Val Arg Gln Thr Gly Tyr Phe
85 90 95

Phe Ile Tyr Ser Gln Val Leu Tyr Thr Asp Pro Ile Phe Ala Met Gly
100 105 110

His Val Ile Gln Arg Lys Lys Ile His Val Phe Gly Asp Glu Leu Ser
115 120 125

Leu Val Thr Leu Phe Arg Cys Ile Gln Asn Met Pro Lys Thr Leu Pro
130 135 140

Asn Asn Ser Cys Tyr Ser Ala Gly Ile Ala Lys Leu Glu Glu Gly Asp
145 150 155 160

Glu Ile Gln Leu Ala Ile Pro Arg Glu Asn Ala Gln Ile Ser Arg Asn
165 170 175

Gly Asp Asp Thr Phe Phe Gly Ala Leu Lys Leu Leu
180 185

<210> 3236

<211> 243

<212> PRT

<213> Macaca fascicularis

<400> 3236

Lys Asp Arg Lys Leu Leu Ala Ala Ala Leu Leu Leu Ala Leu Leu Ser
1 5 10 15

Cys Cys Leu Met Val Val Ser Phe Tyr Gln Val Ala Ala Leu Gln Gly
20 25 30

Asp Leu Ala Ser Leu Arg Ala Glu Leu Gln Gly His His Ala Glu Lys
35 40 45

Leu Pro Ala Arg Ala Arg Ala Pro Lys Ala Gly Leu Gly Glu Ala Pro
50 55 60

Ala Val Thr Ala Gly Leu Lys Ile Phe Glu Pro Pro Ala Pro Gly Glu
65 70 75 80

Gly Asn Ser Ser Gln Ser Ser Arg Asn Lys Arg Ala Ile Gln Gly Ala
85 90 95

Glu Glu Thr Val Ile Gln Asp Cys Leu Gln Leu Ile Ala Asp Ser Glu
100 105 110

Thr Pro Thr Ile Gln Lys Gly Ser Tyr Thr Phe Val Pro Trp Leu Leu

115 120 125
 Ser Phe Lys Arg Gly Ser Ala Leu Glu Glu Lys Glu Asn Lys Ile Leu
 130 135 140
 Val Lys Glu Thr Gly Tyr Phe Phe Ile Tyr Gly Gln Val Leu Tyr Thr
 145 150 155 160
 Asp Lys Thr Tyr Ala Met Gly His Leu Ile Gln Arg Lys Lys Val His
 165 170 175
 Val Phe Gly Asp Glu Leu Ser Leu Val Thr Leu Phe Arg Cys Ile Gln
 180 185 190
 Asn Met Pro Glu Thr Leu Pro Asn Asn Ser Cys Tyr Ser Ala Gly Ile
 195 200 205
 Ala Lys Leu Glu Glu Gly Asp Glu Leu Gln Leu Ala Ile Pro Arg Glu
 210 215 220
 Asn Ala Gln Ile Ser Leu Asp Gly Asp Val Thr Phe Phe Gly Ala Leu
 225 230 235 240
 Lys Leu Leu

<210> 3237
 <211> 219
 <212> PRT
 <213> Macaca mulatta

<400> 3237

Tyr Gln Val Ala Ala Val Gln Gly Asp Leu Ala Ser Leu Arg Ala Glu
 1 5 10 15
 Leu Gln Ser His His Ala Glu Lys Leu Pro Ala Arg Ala Arg Ala Pro
 20 25 30
 Lys Ala Gly Leu Gly Glu Ala Pro Ala Val Thr Ala Gly Leu Lys Ile
 35 40 45
 Phe Glu Pro Pro Ala Pro Gly Glu Gly Asn Ser Ser Gln Ser Ser Arg
 50 55 60
 Asn Lys Arg Ala Ile Gln Gly Ala Glu Glu Thr Val Ile Gln Asp Cys
 65 70 75 80
 Leu Gln Leu Ile Ala Asp Ser Glu Thr Pro Thr Ile Gln Lys Gly Ser
 85 90 95
 Tyr Thr Phe Val Pro Trp Leu Leu Ser Phe Lys Arg Gly Ser Ala Leu
 100 105 110
 Glu Glu Lys Glu Asn Lys Ile Leu Val Lys Glu Thr Gly Tyr Phe Phe
 115 120 125
 Ile Tyr Gly Gln Val Leu Tyr Thr Asp Lys Thr Tyr Ala Met Gly His
 130 135 140

2740

Leu Ile Gln Arg Lys Lys Val His Val Phe Gly Asp Glu Leu Ser Leu
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 Val Thr Leu Phe Arg Cys Ile Gln Asn Met Pro Glu Thr Leu Pro Asn
 165 170 175
 Asn Ser Cys Tyr Ser Ala Gly Ile Ala Lys Leu Glu Glu Gly Asp Glu
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 Leu Ser Trp Gly Ala Ala Leu Gly Ala Val Ala Cys Ala Met Ala Leu
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 Leu Thr Gln Gln Thr Glu Leu Gln Ser Leu Arg Arg Glu Val Ser Arg
 50 55 60
 Leu Gln Gly Thr Gly Gly Pro Ser Gln Asn Gly Glu Gly Tyr Pro Trp
 65 70 75 80
 Gln Ser Leu Pro Glu Gln Ser Ser Asp Ala Leu Glu Ala Trp Glu Asn
 85 90 95
 Gly Glu Arg Ser Arg Lys Arg Arg Ala Val Leu Thr Gln Lys Gln Lys
 100 105 110

Lys Gln His Ser Val Leu His Leu Val Pro Ile Asn Ala Thr Ser Lys
115 120 125

Asp Asp Ser Asp Val Thr Glu Val Met Trp Gln Pro Ala Leu Arg Arg
130 135 140

Gly Arg Gly Leu Gln Ala Gln Gly Tyr Gly Val Arg Ile Gln Asp Ala
145 150 155 160

Gly Val Tyr Leu Leu Tyr Ser Gln Val Leu Phe Gln Asp Val Thr Phe
165 170 175

Thr Met Gly Gln Val Val Ser Arg Glu Gly Gln Gly Arg Gln Glu Thr
180 185 190

Leu Phe Arg Cys Ile Arg Ser Met Pro Ser His Pro Asp Arg Ala Tyr
195 200 205

Asn Ser Cys Tyr Ser Ala Gly Val Phe His Leu His Gln Gly Asp Ile
210 215 220

Leu Ser Val Ile Ile Pro Arg Ala Arg Ala Lys Leu Asn Leu Ser Pro
225 230 235 240

His Gly Thr Phe Leu Gly Phe Val Lys Leu
245 250

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US01/19110**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : C07K 16/00

US CL : 530/387.1, 388.1

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 530/387.1, 388.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
STIC searched SEQ ID NO: 1 against protein databases PIR_68, SwissProt_39, SPTREMBL_16, A_Geneseq_0601

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WEST 2.0, STN(BIOSCIENCE)

search terms: inventors' names, stimulator, b lymphocyte stimulator/ing, antibody/ies, blys

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A, P	Database BIOSIS on STN, No. 2001: 79410, NARDELLI et al. 'Synthesis and release of B-lymphocyte stimulator from myeloid cells.' abstract, Blood. 01 January 2001, Vol. 97, No. 1, pages 198-204.	1, 3-50, 85, 86

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
A document defining the general state of the art which is not considered to be of particular relevance	*X* document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
E earlier document published on or after the international filing date	*Y* document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
L document which may throw doubt on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*Z* document member of the same patent family
O document referring to an oral disclosure, use, exhibition or other means	
P document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

23 AUGUST 2001

Date of mailing of the international search report

16 OCT 2001

Name and mailing address of the ISA/US
Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

MARIANNE DIBRINO

Telephone No. (703) 308-0196

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US01/19110**Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)**

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☒ Claims Nos.: 51-80, 84, 87-96
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

Please See Extra Sheet.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
1, 3-50, 85 & 86, as they pertain to SEQ ID NO: 1

Remark on Protest

☐
☐

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

BOX II. OBSERVATIONS WHERE UNITY OF INVENTION WAS LACKING

This ISA found multiple inventions as follows:

This application contains the following inventions or groups of inventions which are not so linked as to form a single inventive concept under PCT Rule 13.1. In order for all inventions to be searched, the appropriate additional search fees must be paid.

Groups 1-2128, claims 1, 3-50, 85 and 86, all in part, drawn to an antibody that immunospecifically binds to BLys comprising a first amino acid sequence at least 95% identical to a second amino acid sequence selected from the group consisting of an amino acid sequence comprising either the sequence of a VHCDR or a VLCDR of any one of the scPvs of SEQ ID NO: 1 through 2128. For example, if Group 1 is elected, this correlates to the claimed antibody, wherein the said second sequence correlates to a CDR of clone ID I003F12S, i.e., the second sequence comprises an HCDR of SEQ ID NO: 1. With regard to claims 85 and 85, the claims are drawn to an antibody, that immunospecifically binds to BLys, the said antibody comprising an amino acid sequence of a VH or a VL domain encoding a nucleotide sequence that hybridizes under stringent conditions to a nucleotide sequence encoding a VH or a VL domain of an scPv comprising an amino acid sequence of any one of SEQ ID NO: 1 to 2128.

Groups 2129-3227, claims 1 and 2, all in part, drawn to an antibody that immunospecifically binds to BLys comprising a first amino acid sequence at least 95% identical to a second amino acid sequence wherein the said second amino acid sequence consists of the amino acid sequence of a VHCDR3 of any one of the scPvs of SEQ ID NO: 2129-3227. For example, if Group 2129 is elected, this correlates to the claimed antibody, wherein the said second sequence correlates to a VHCDR3 of clone ID I003A08, i.e., the second sequence consists of the sequence of a VHCDR3 of SEQ ID NO: 2129.

Group 3228, claim 81, drawn to an antibody which inhibits the binding of the antibody produced by ATCC PTA-3239 to BLys.

Group 3229, claim 82, drawn to an antibody which inhibits the binding of the antibody produced by ATCC PTA-3240 to BLys.

Group 3230, claim 83, drawn to an antibody which inhibits the binding of the antibody produced by ATCC PTA-3243 to BLys.

The inventions listed as Groups 1-3230 do not relate to a single inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: The antibodies of each invention are unrelated each to the other. The antibodies of each invention have different structures, and are therefore different products which are not coextensive and which do not share the same technical feature.